



Town of Los Gatos Local Roadway Safety Plan Progress Report

December 2021



Progress Report Outline

1. Vision Statement
2. Existing Conditions and Safety Data Analysis
3. Collision Profiles
4. Community Engagement
5. Priority Emphasis Areas



Why is an LRSP Important?

- An LRSP provides a framework for organizing stakeholders to **identify, analyze, and prioritize** roadway safety improvements on local and rural roads.
- Implementing a Local Roadway Safety Plan will be **required** for agencies to apply for Caltrans Highway Safety Improvement Program (HSIP) Cycle 11 funds, to be released in Spring 2022.
- Employing a systemic analysis allows the Town to leverage a proactive safety approach that focuses on **evaluating an entire roadway network** using a defined set of criteria reliant upon context rather than raw number of crashes alone.
- This LRSP aspires toward **zero fatalities and severe injuries** with a Safe System approach, focusing on safe vehicles, speeds, road users, road design, and post-crash care.





What Is an LRSP?

■ LRSP components required by Caltrans
■ Potential enhancements



Strategic Planning
Vision Statement
and Goals



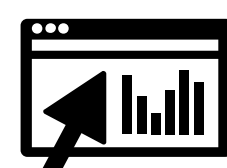
Partnerships
Develop internal
partnerships



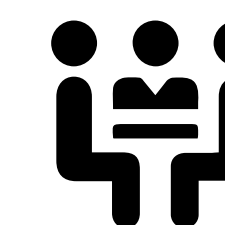
Public Outreach
Plan process includes public
outreach



Discussion of Existing
Efforts



Systemic and Data-Driven
Analysis



Strategies for Education,
Enforcement, and
Emergency Services



Strategies for
Evaluation and
Implementation



High-Injury Network
(HIN) Identification



Project Prioritization or
Location-Specific
Engineering
Recommendations



1. Vision Statement

“

The Town is fully committed to ending traffic-related deaths and injuries on Town streets. By taking a systemic safety approach, the Town will utilize targeted enforcement, improved street design, and public collaboration to achieve meaningful results in preventing traffic collisions.

”



Existing Efforts and Data: Los Gatos Plans

- **2020 Bicycle & Pedestrian Master Plan** was created to provide information on pedestrian and bicycle infrastructure projects. The 2020 update focuses on improving walking and bicycle safety and accessibility.
- **2020 General Plan** identifies concerns in transportation infrastructure and circulation and outlines goals and plans of actions to address these concerns.
- **2016 Traffic Around School Study** was implemented to help make walking and bicycling the preferred mode of travel to school.
- **Connect Los Gatos Community Engagement Plan** outlines resources that will be used to engage with the community to communicate about active transportation projects.
- **2020 Community Survey** was created to engage with the community and raise awareness of the Connect Los Gatos Plan.
- **2018 Student Travel Study** was designed to better understand student's and parent's opinions of what improvements would be beneficial to the students who walk or bike to school.





Existing Efforts and Data: Police Department Input

- **Feedback on Key Collision Locations**

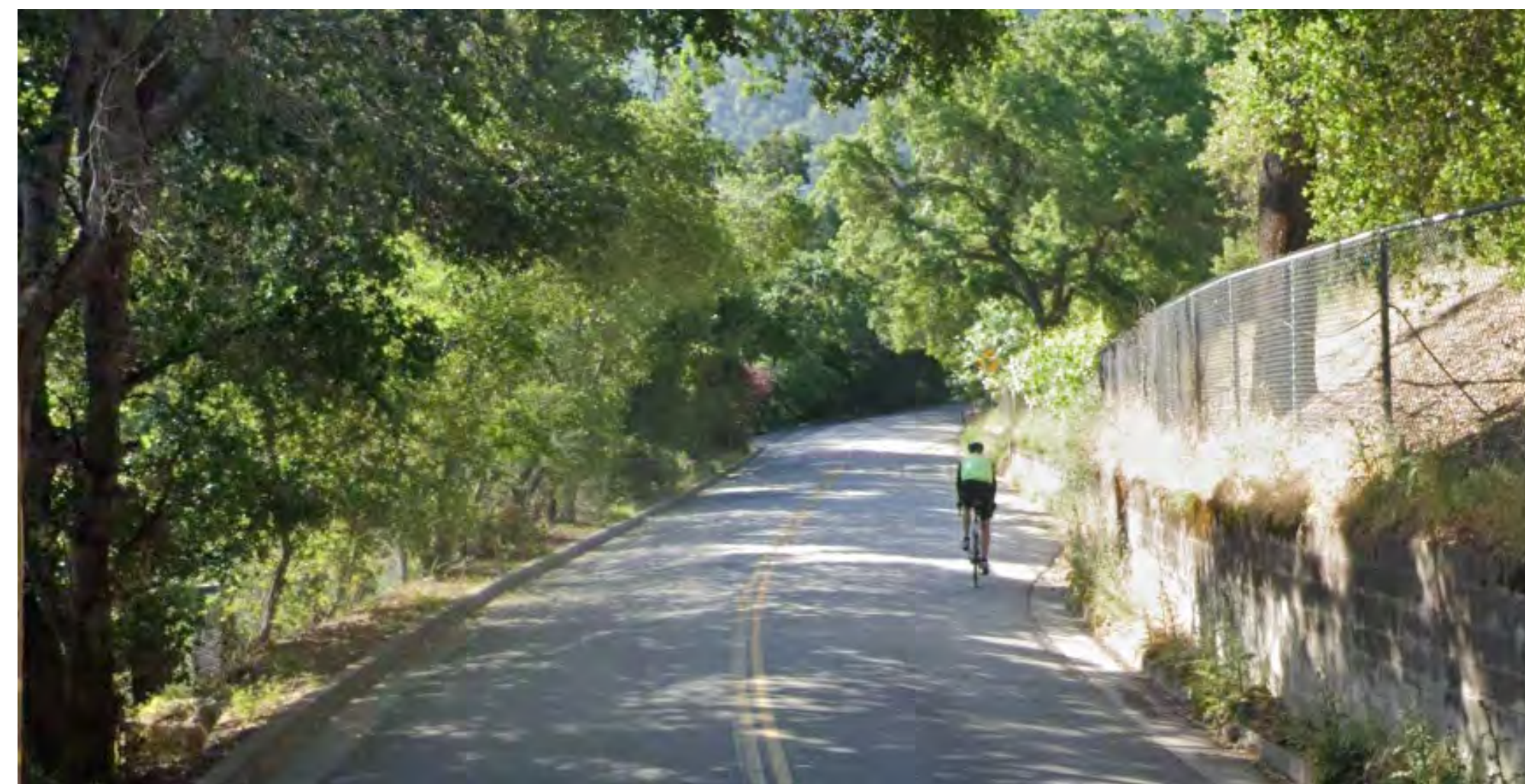
- Focused on major corridors, particularly Highway 9 (Los Gatos Saratoga Road) at busier cross streets
- Turns along Los Gatos Boulevard and Winchester Boulevard
- School crossing locations

- **Common Collision Factors**

- Left turns, speeding, ROW violations
- Distractions

- **Unreported Collision Occurrences**

- Bicyclist crashes not involving vehicles
- Crashes occurring in rural/mountain areas





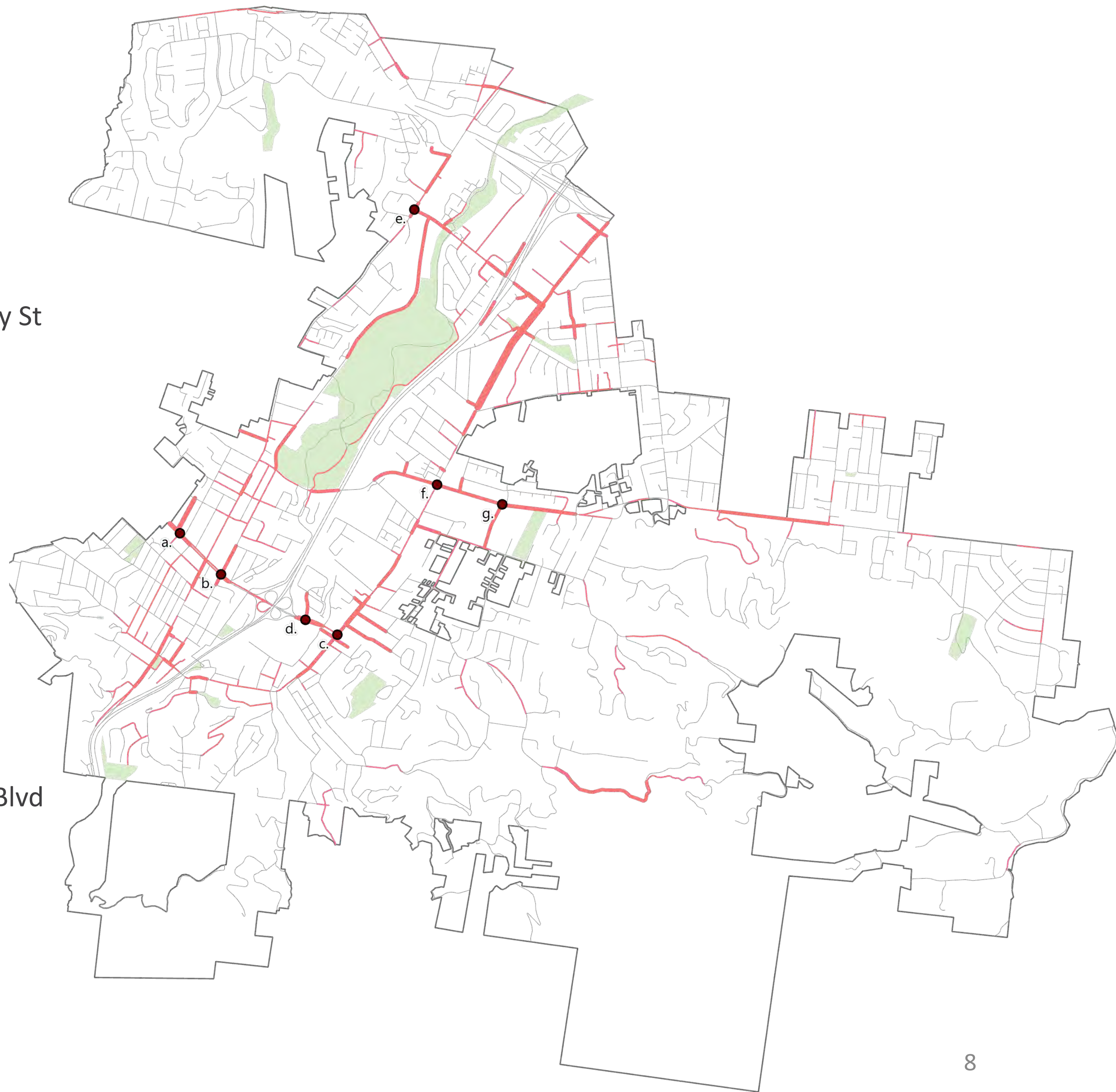
Top Collision Locations

Key Collision Locations

- a. Los Gatos Saratoga Rd and Massol Ave/Montgomery St
- b. Los Gatos Saratoga Rd and University Ave
- c. Los Gatos Saratoga Rd and Los Gatos Blvd
- d. Los Gatos Saratoga Rd and Alberto Way
- e. Winchester Blvd and Lark Ave
- f. Los Gatos Blvd and Blossom Hill Rd
- g. Blossom Hill Rd and Cherry Blossom Lane

Key Collision Corridors

- Los Gatos Blvd: SR-85 to Simons Way
- Los Gatos Saratoga Rd: Montgomery St to Los Gatos Blvd
- Blossom Hill Rd: Roberts Rd to Hillbrook Dr
- Santa Cruz Ave: Blossom Hill Rd to Wood Rd
- University Ave: Vasona Oaks Dr to Lark Ave
- Lark Ave: Winchester Blvd to Los Gatos Blvd





Injury Collisions Data Source

Analysis Period: 2015-2019

Coverage: Local Public Streets (excluding SR-17 & SR-85 freeways)

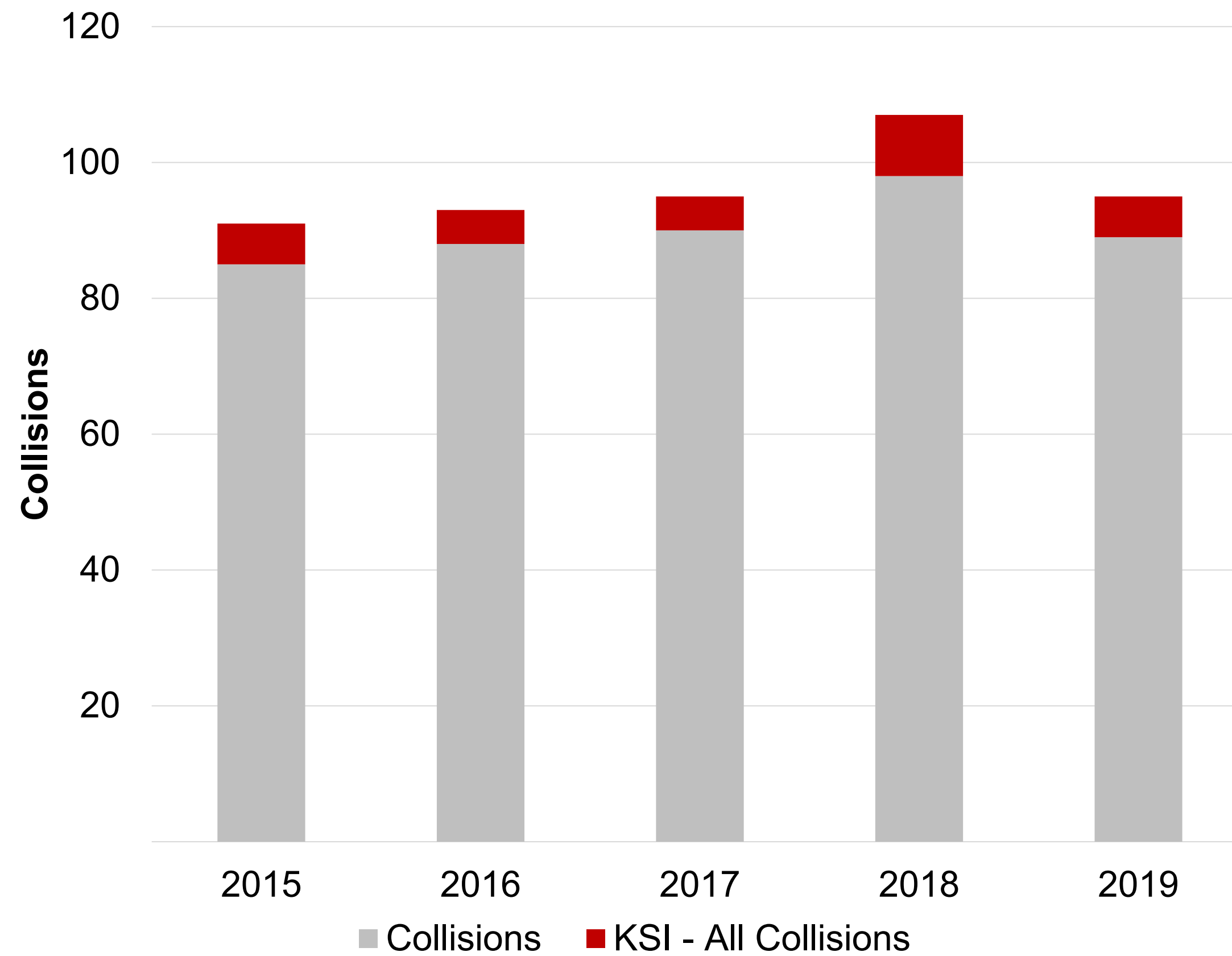
Data Source: Injury Collisions Reported to Los Gatos Monte Sereno Police Department, Accessed via Transportation Injury Mapping System (TIMS)



■ Collisions ■ KSI - All Collisions
KSI: Killed or Severe Injured



Injury Collisions by Year

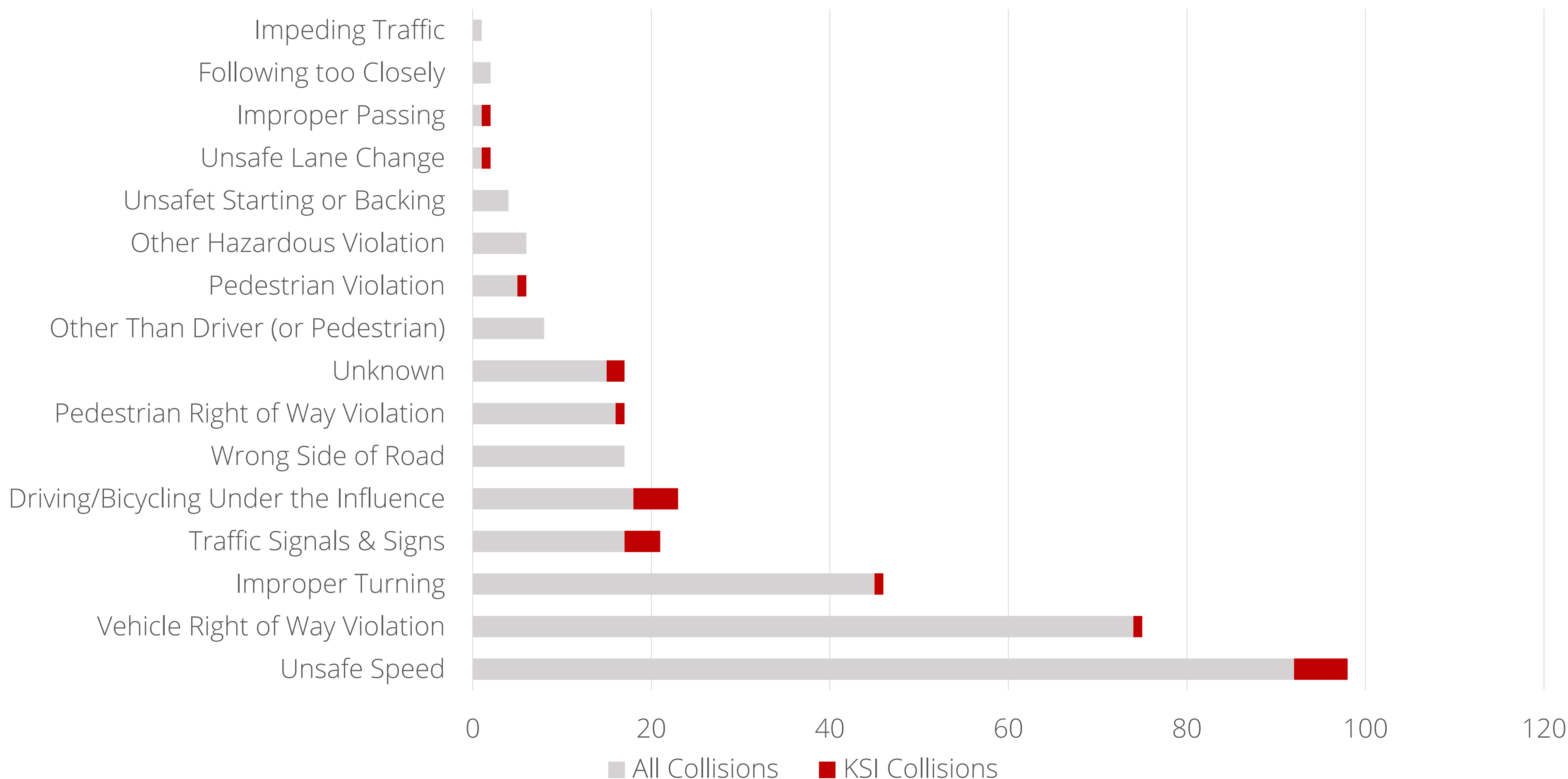


KSI: Killed or Severe Injured



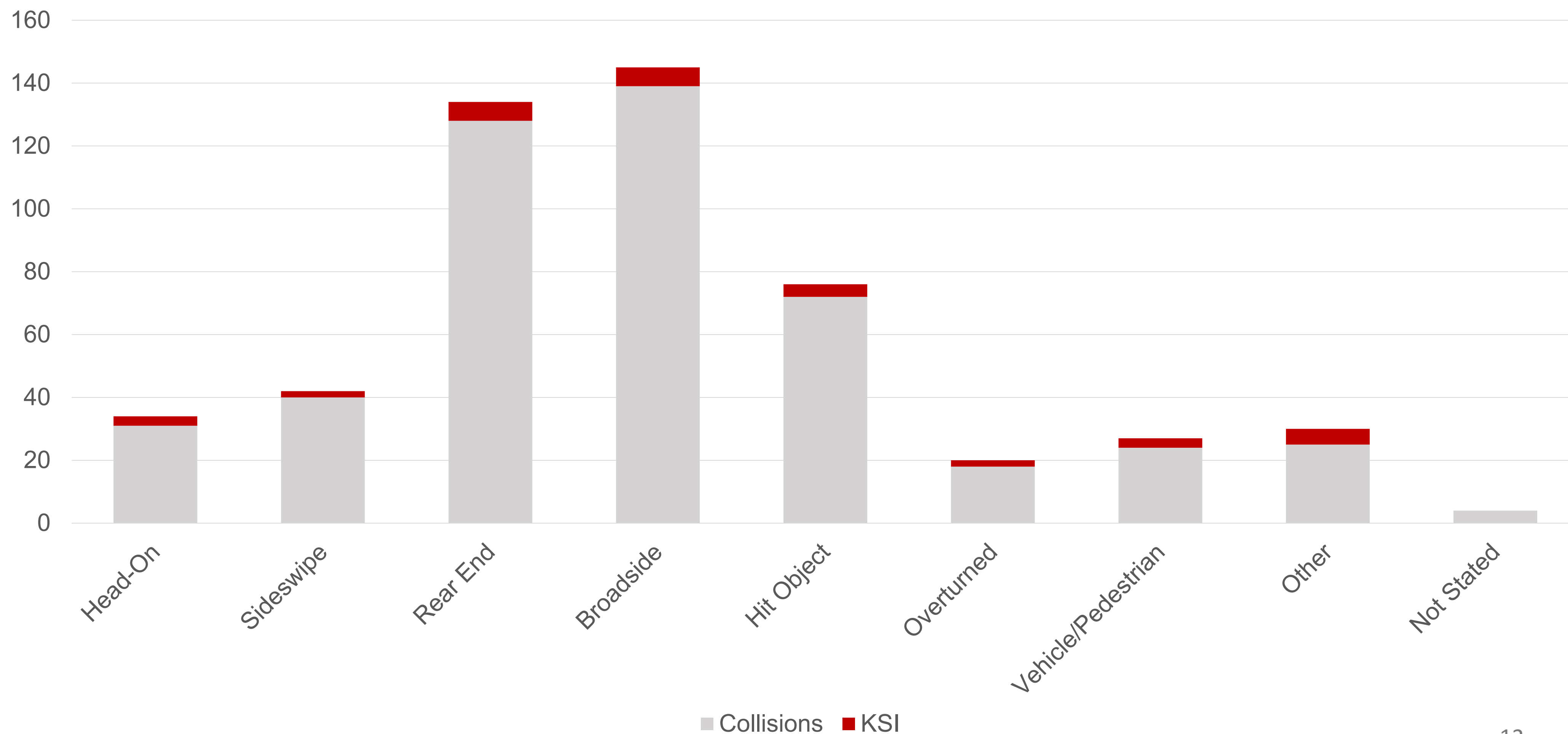


Injury Collisions by Primary Collision Factor



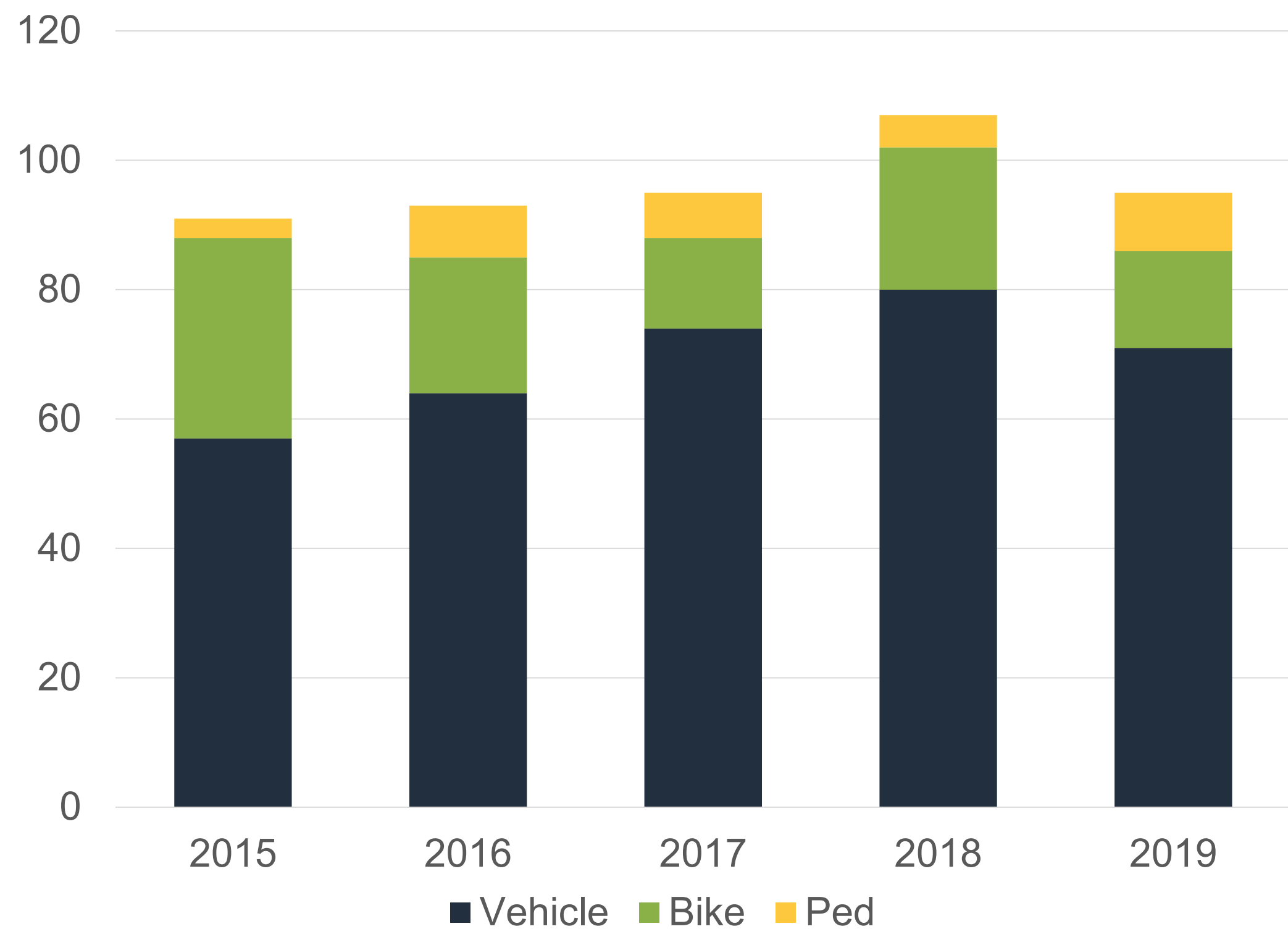


Injury Collisions by Collision Type



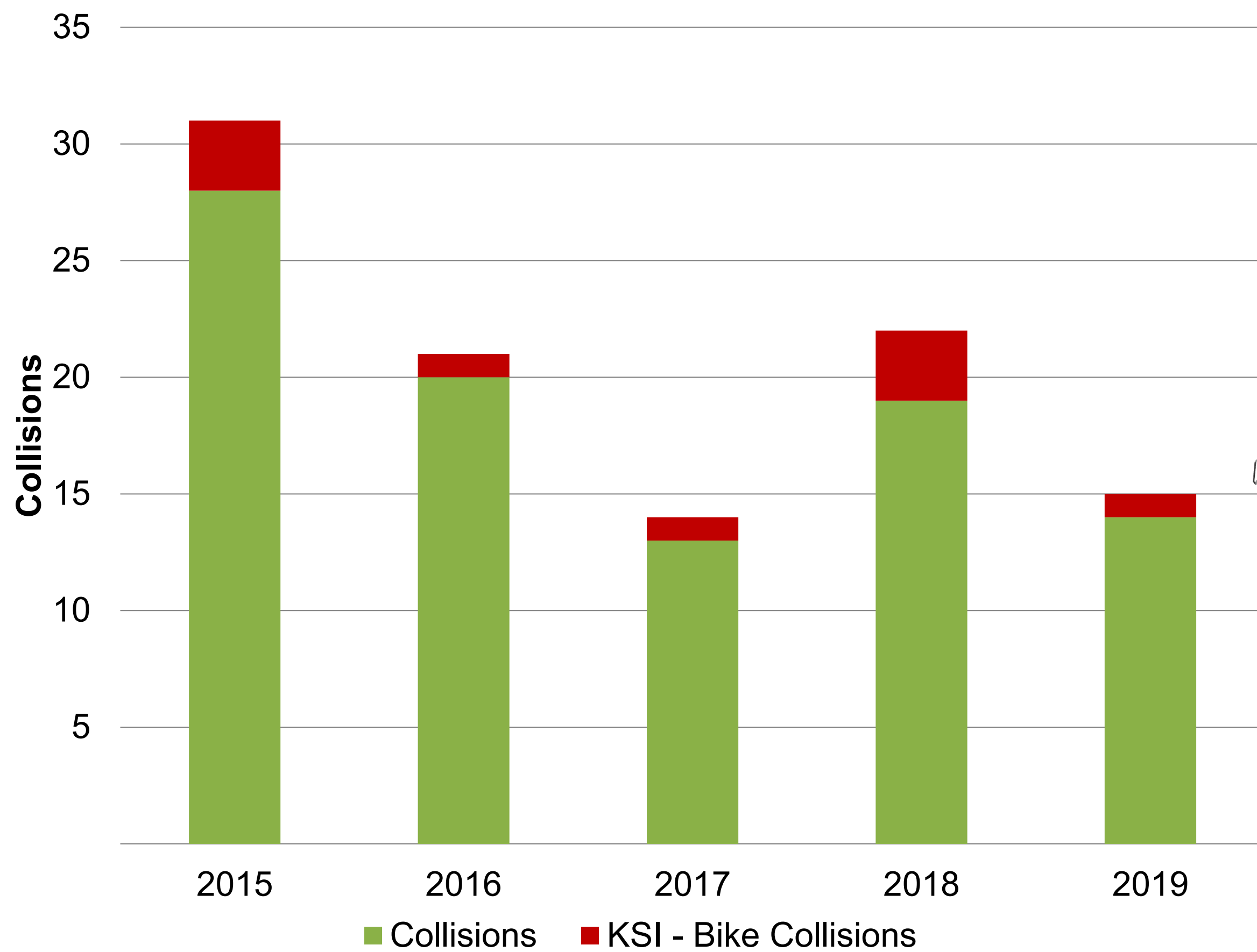


Injury Collisions by Involvement



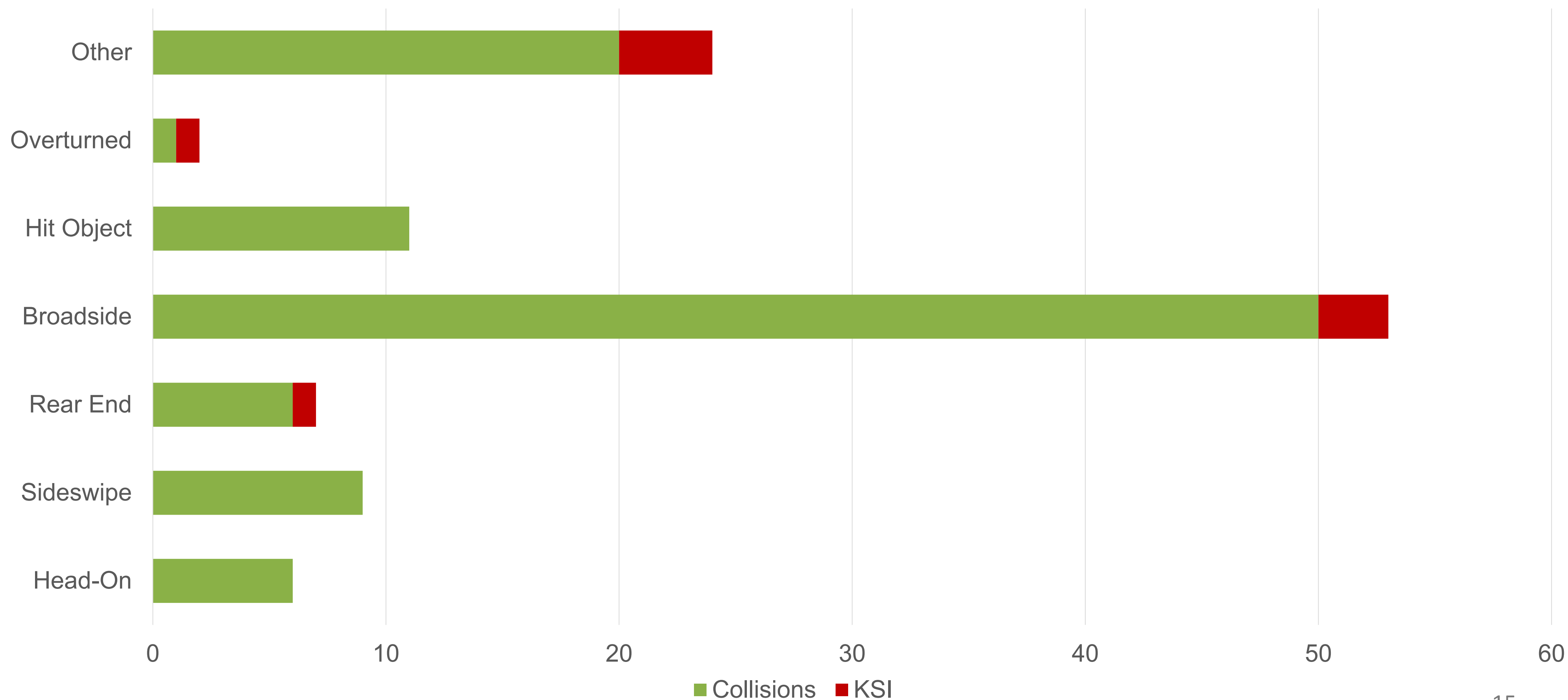


Bicycle Involved Injury Collisions



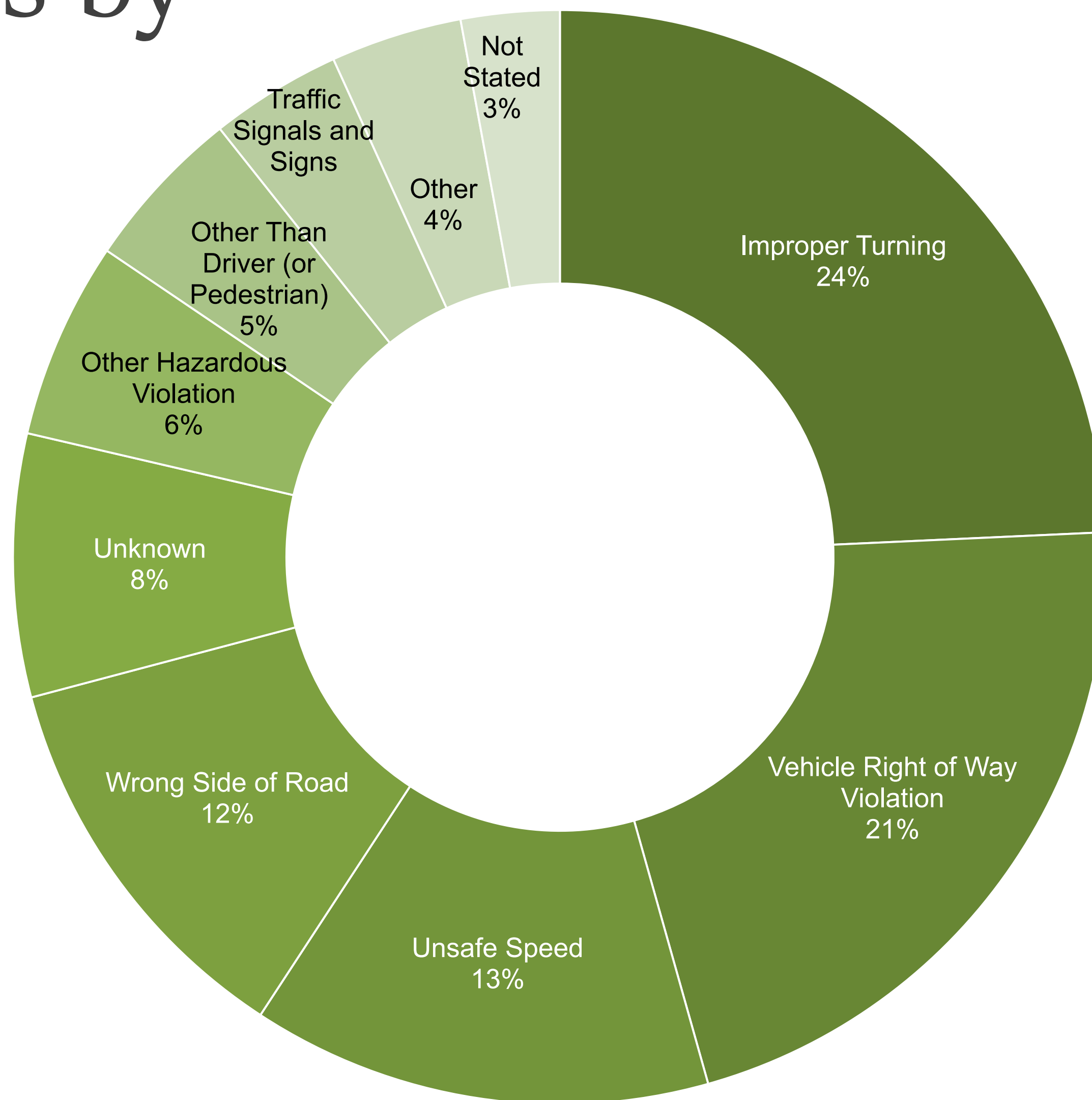


Bicycle Involved Injury Collisions by Collision Type



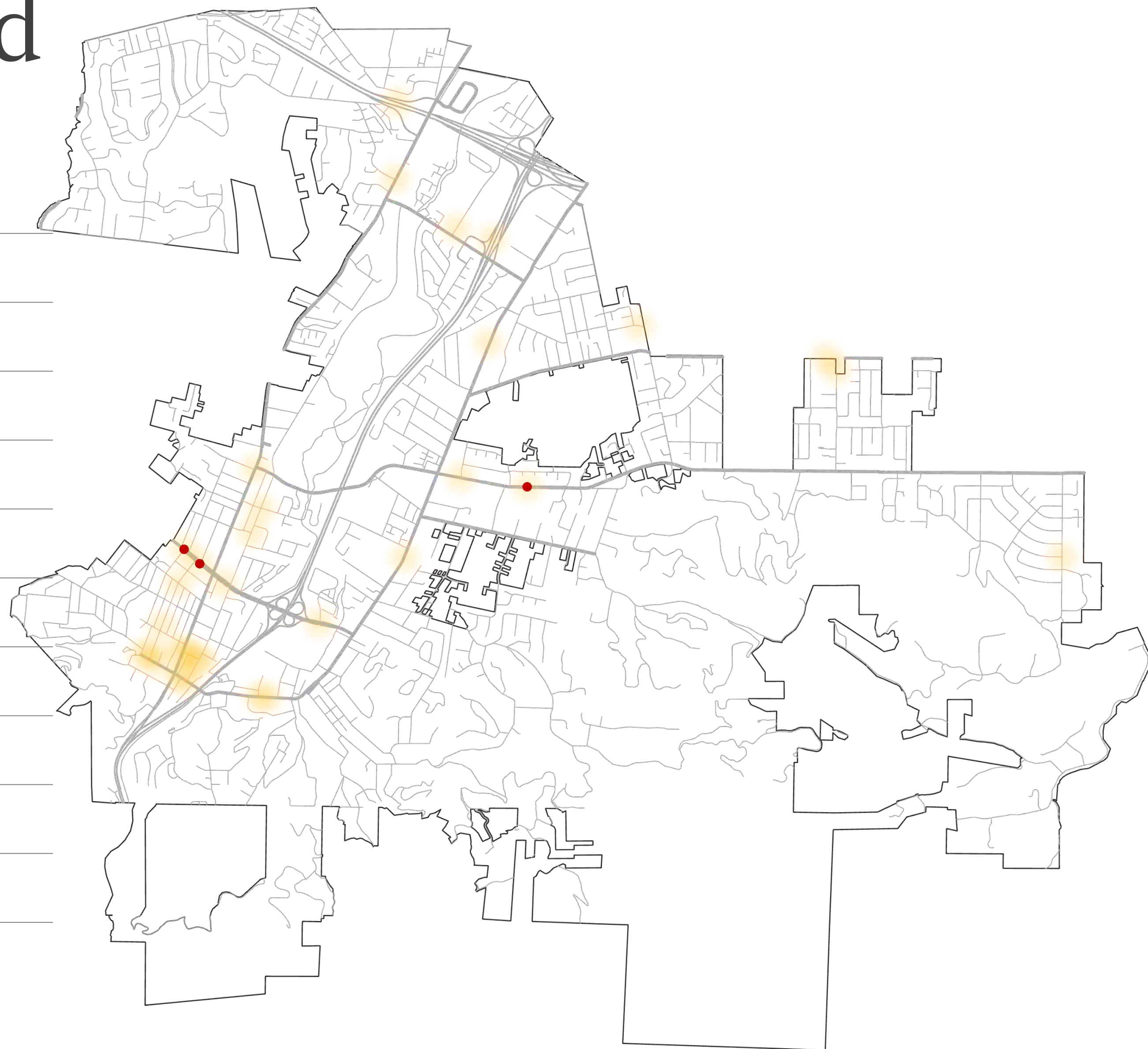
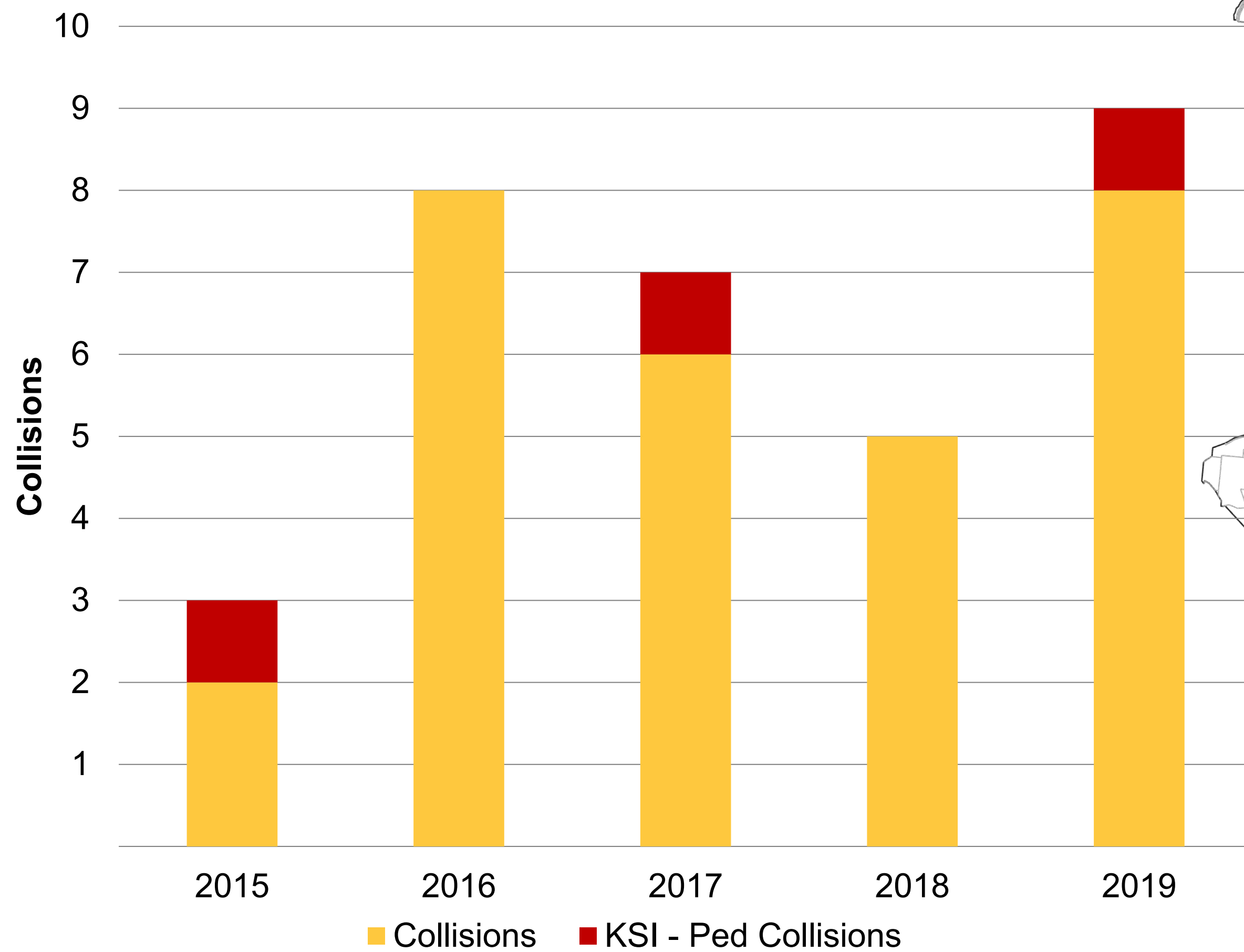


Bicycle Involved Injury Collisions by Collision Type



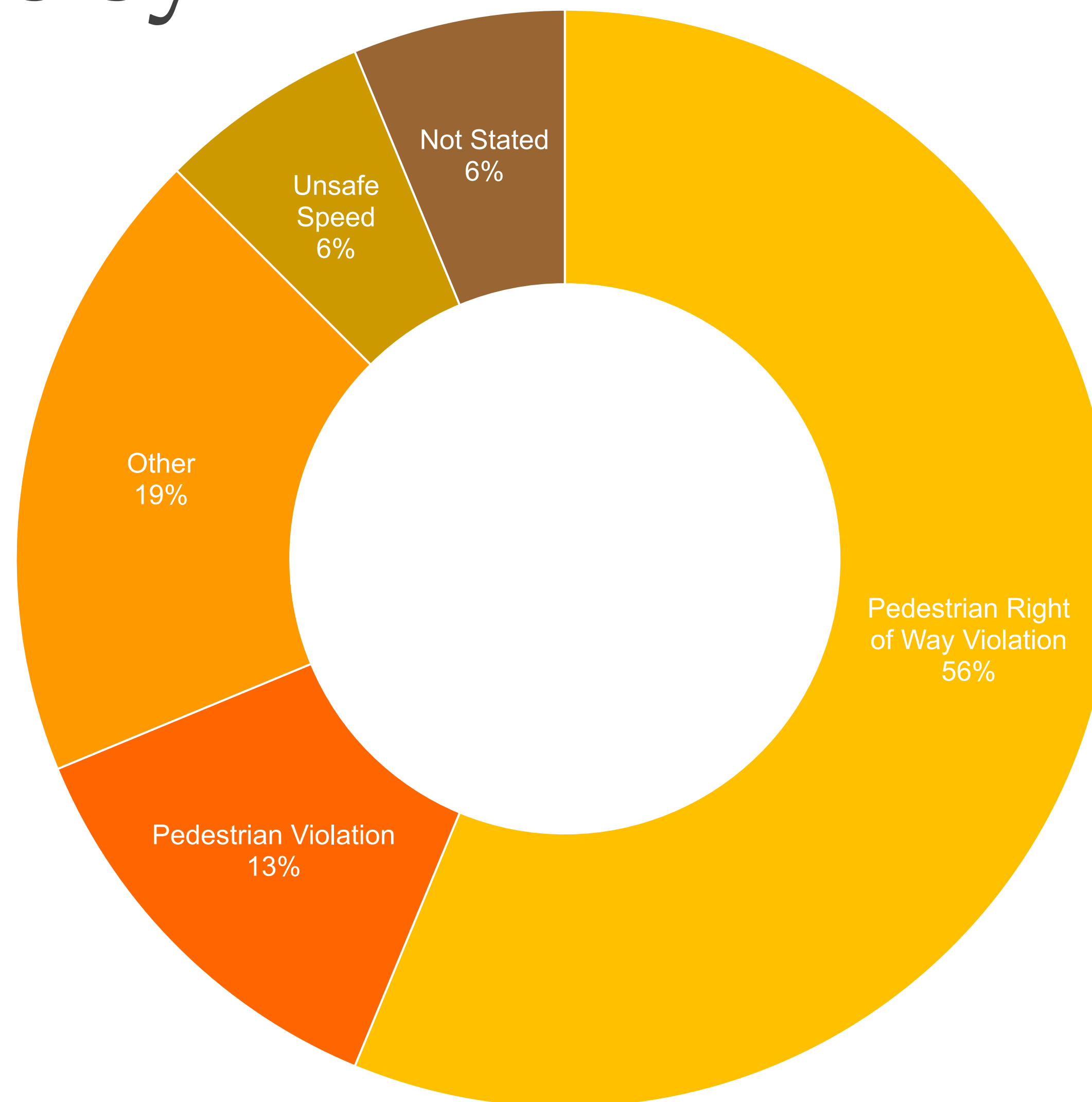


Pedestrian Involved Injury Collisions



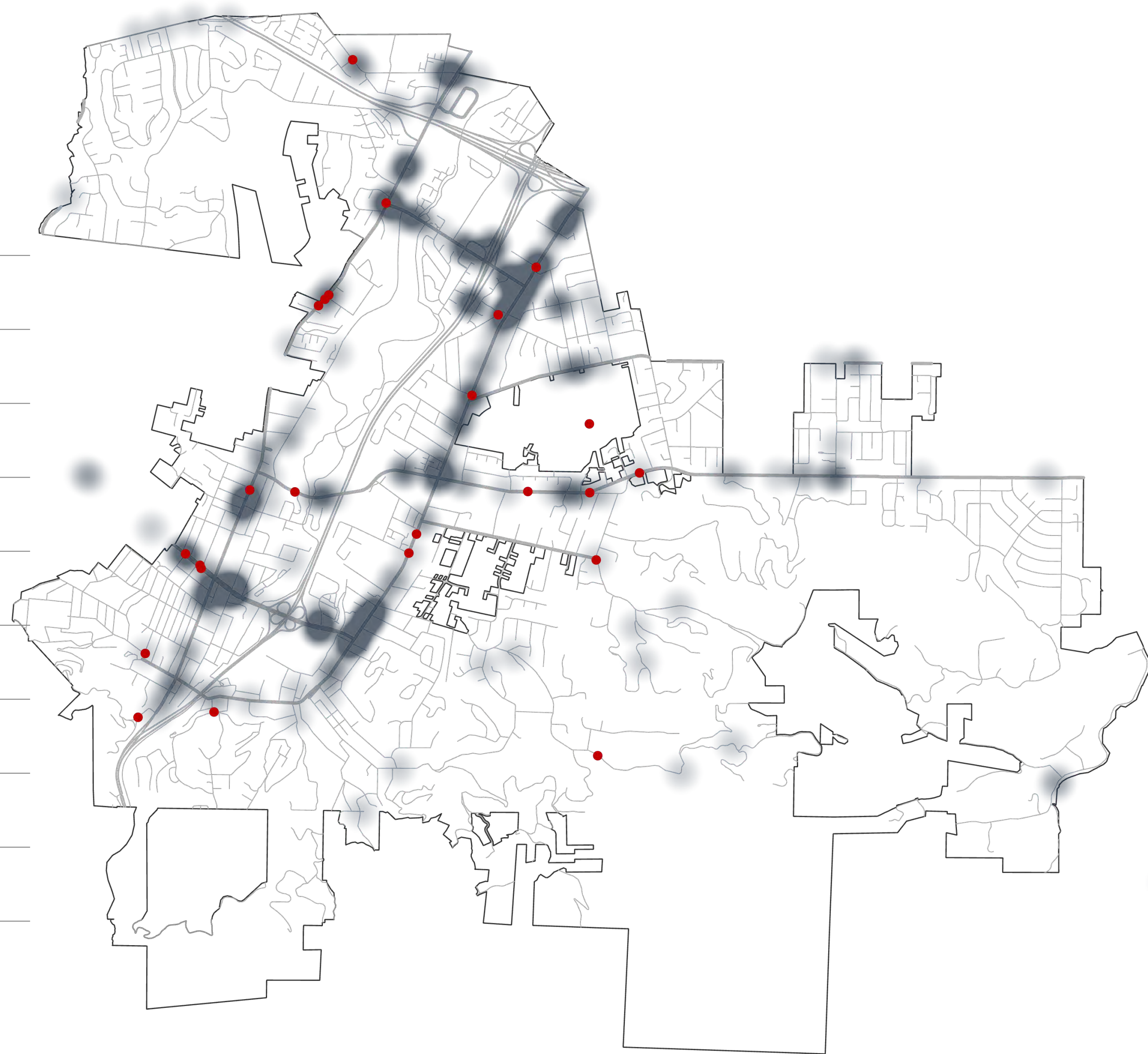
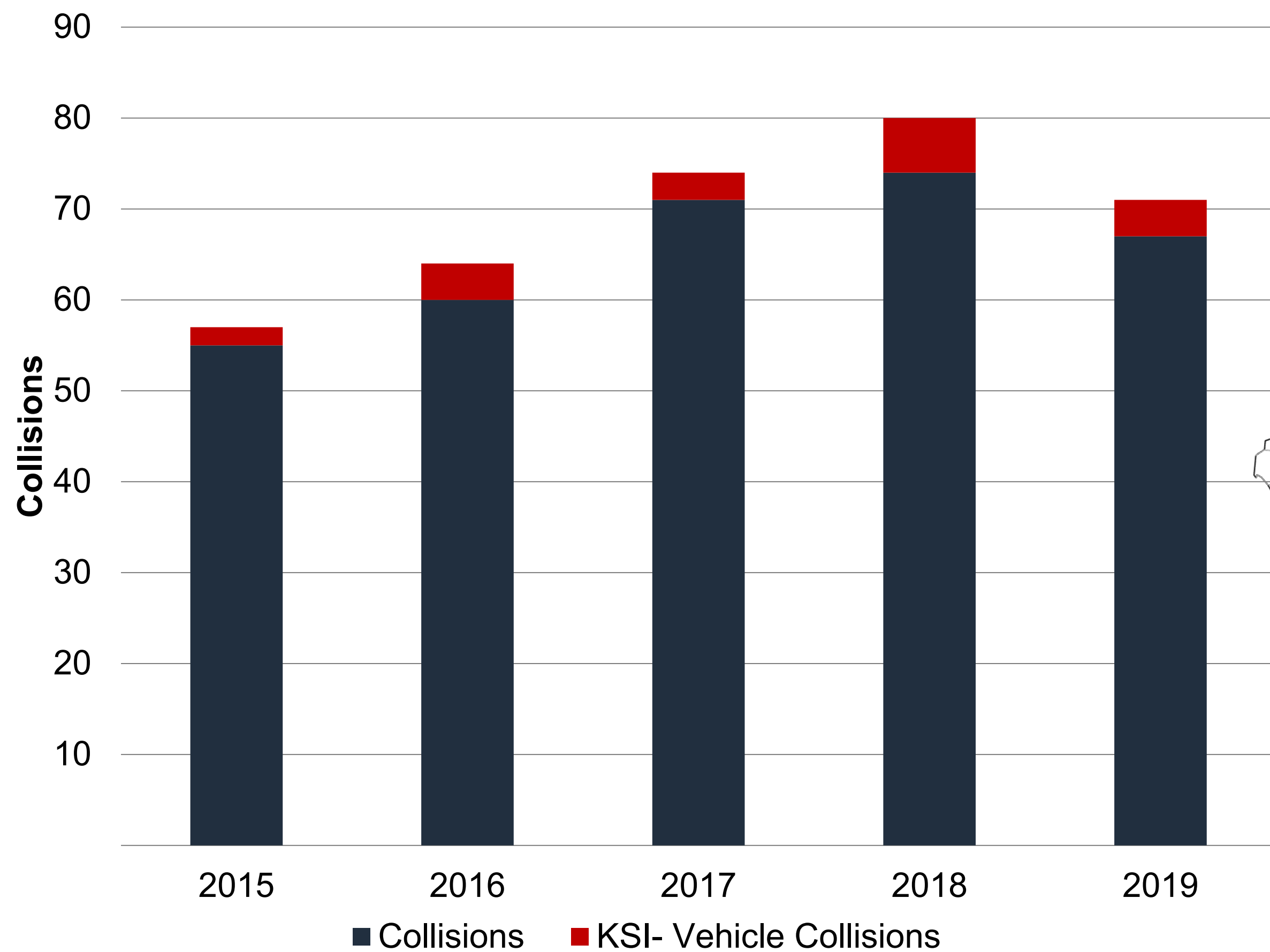


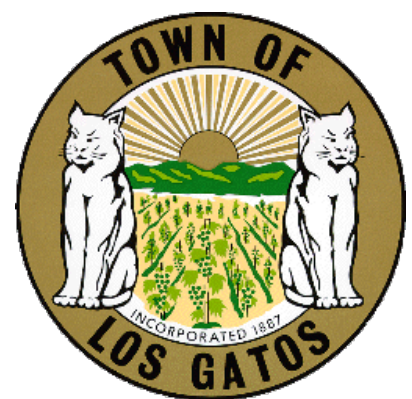
Pedestrian Involved Injury Collisions by Collision Type



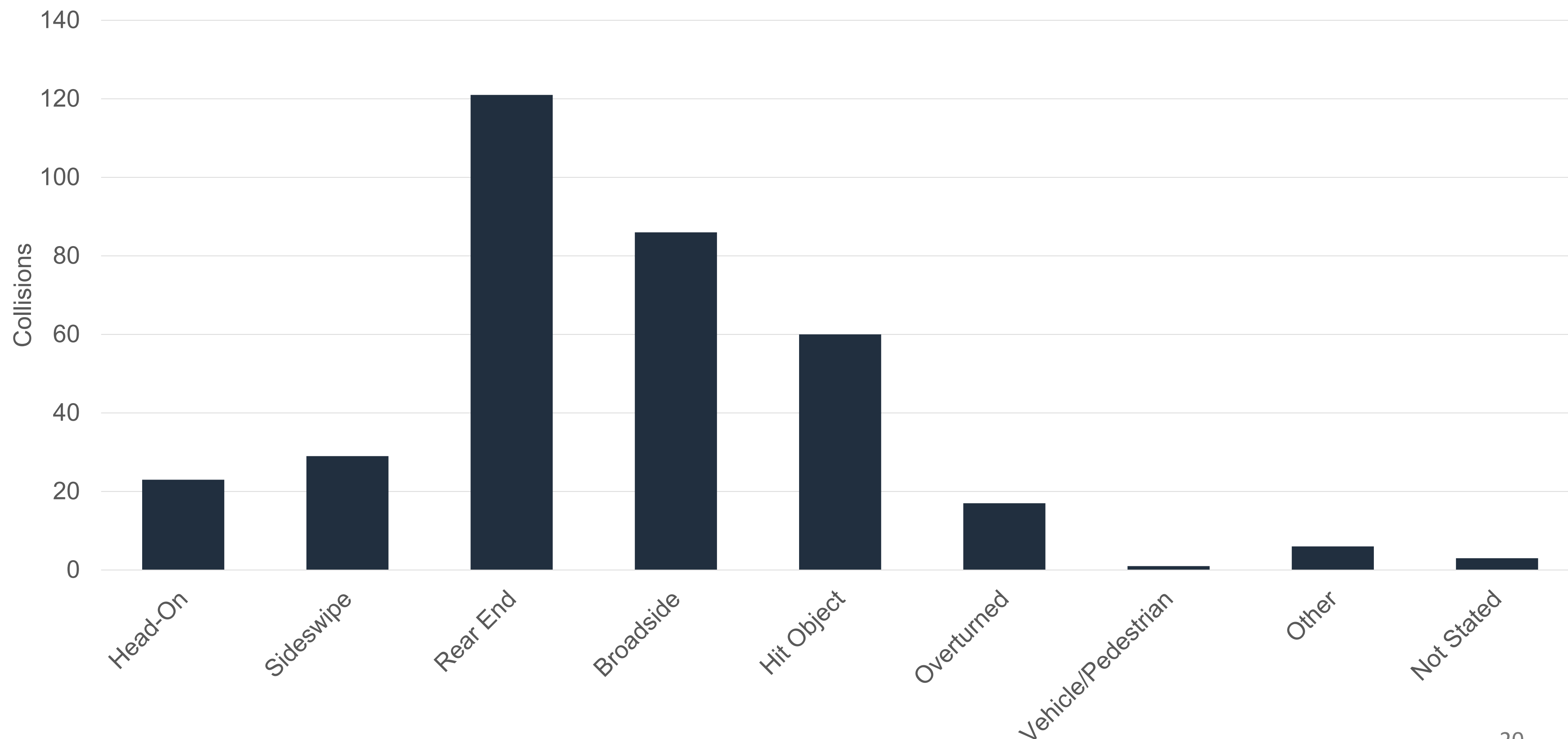


Vehicle-Vehicle Injury Collisions



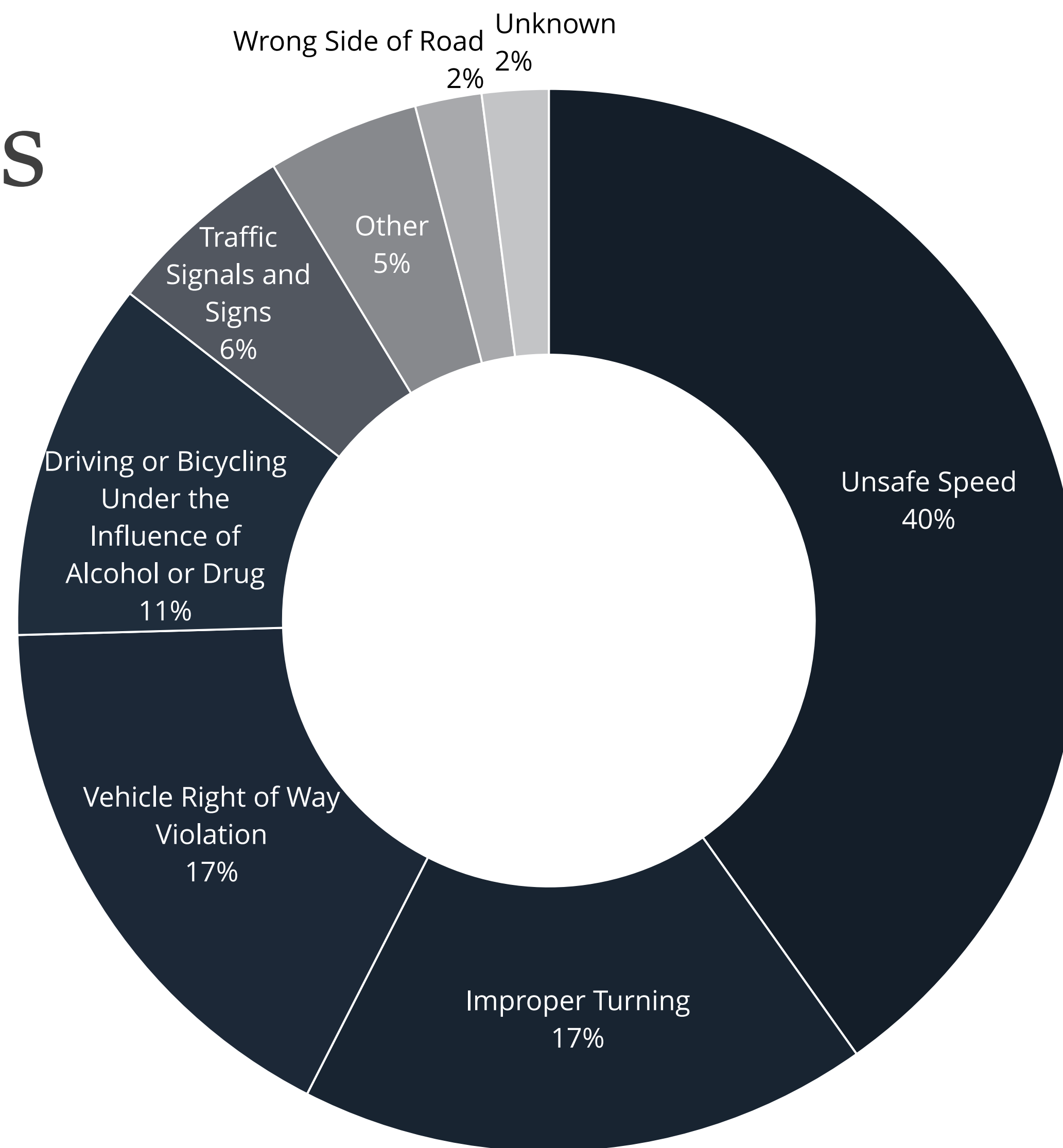


Primary Vehicle-Vehicle Injury Collision Factors





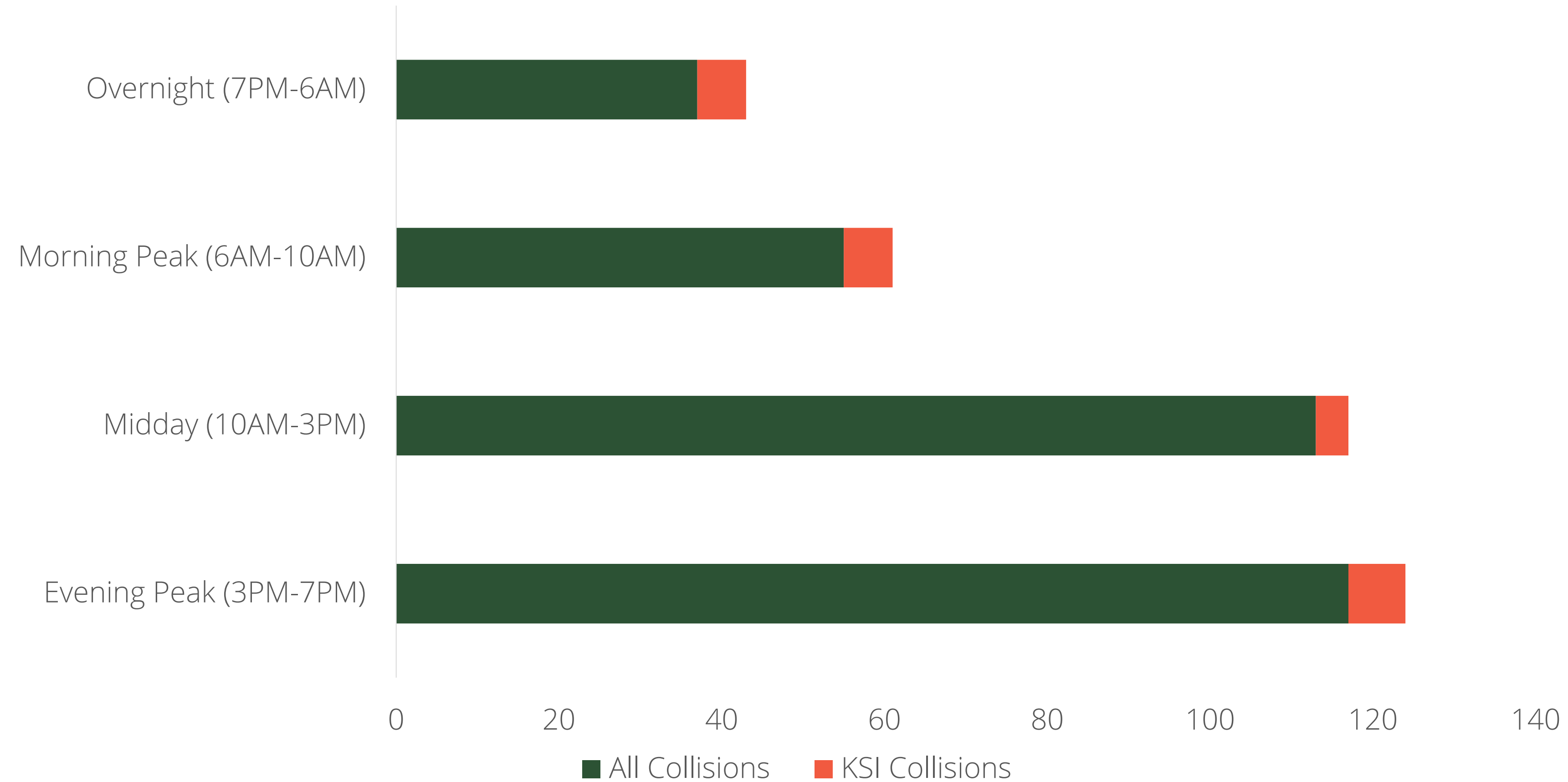
Primary Vehicle-Vehicle Injury Collision Factors





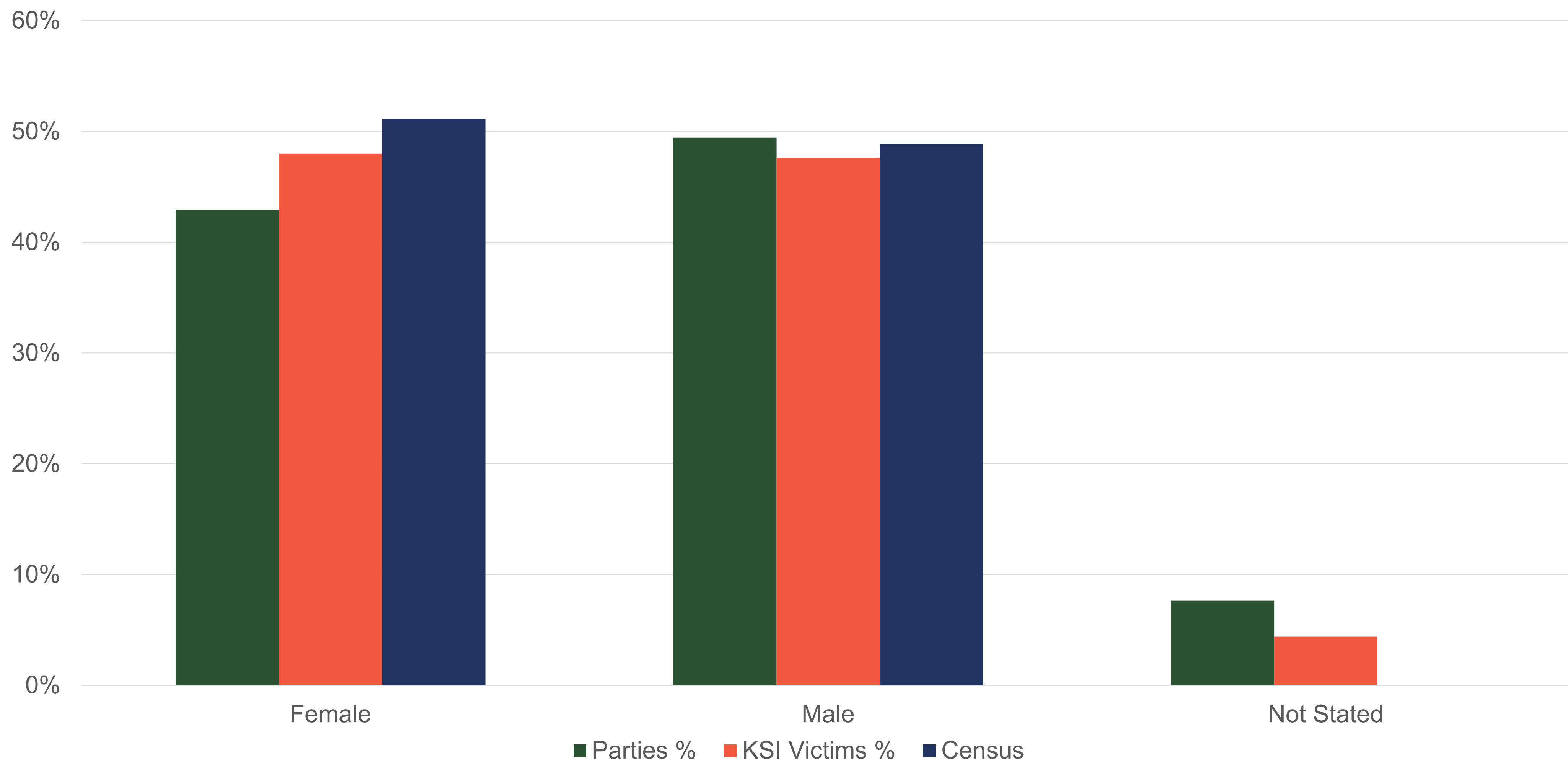
Time of Day

Injury Collisions



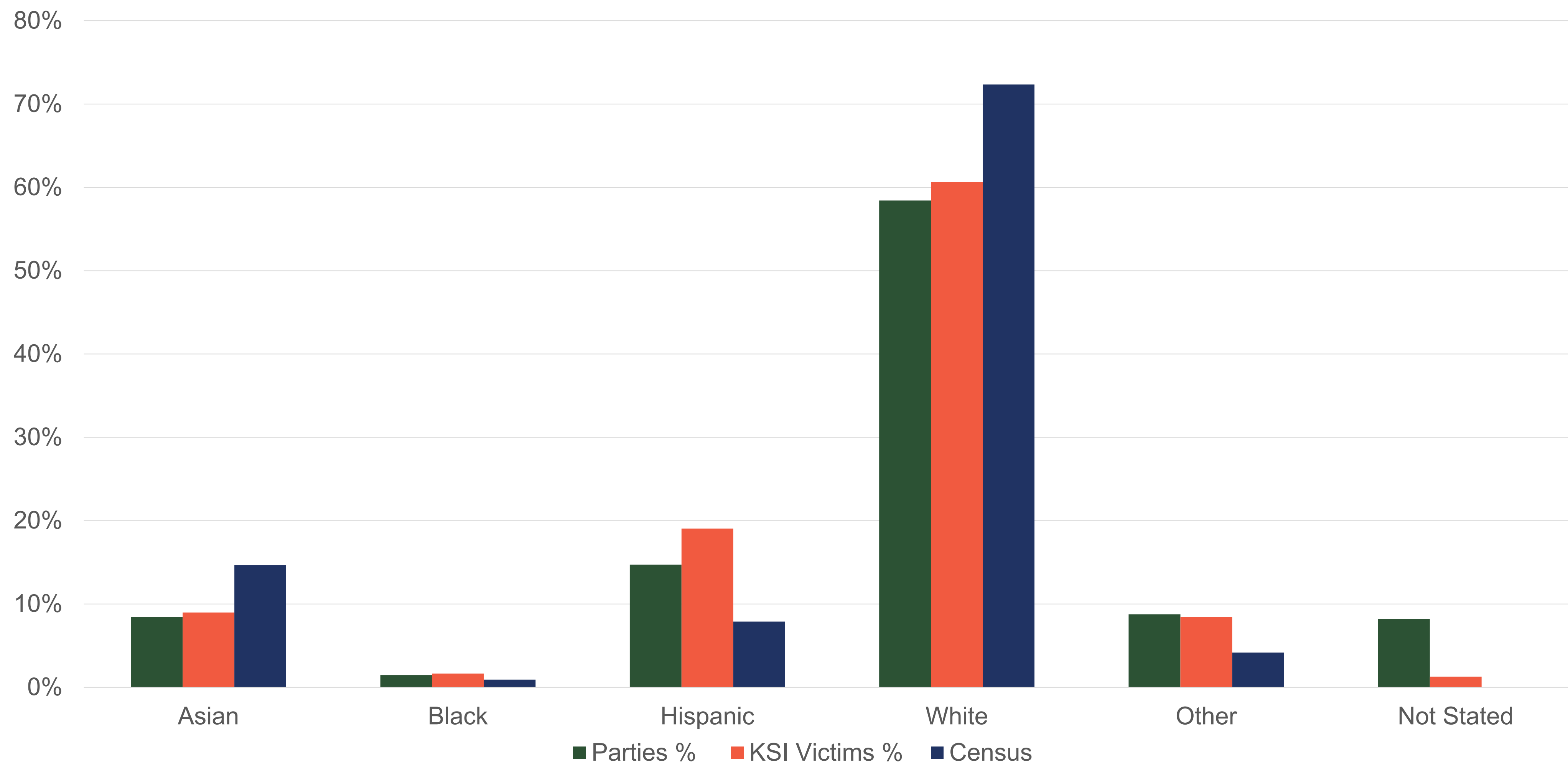


Demographics: Gender



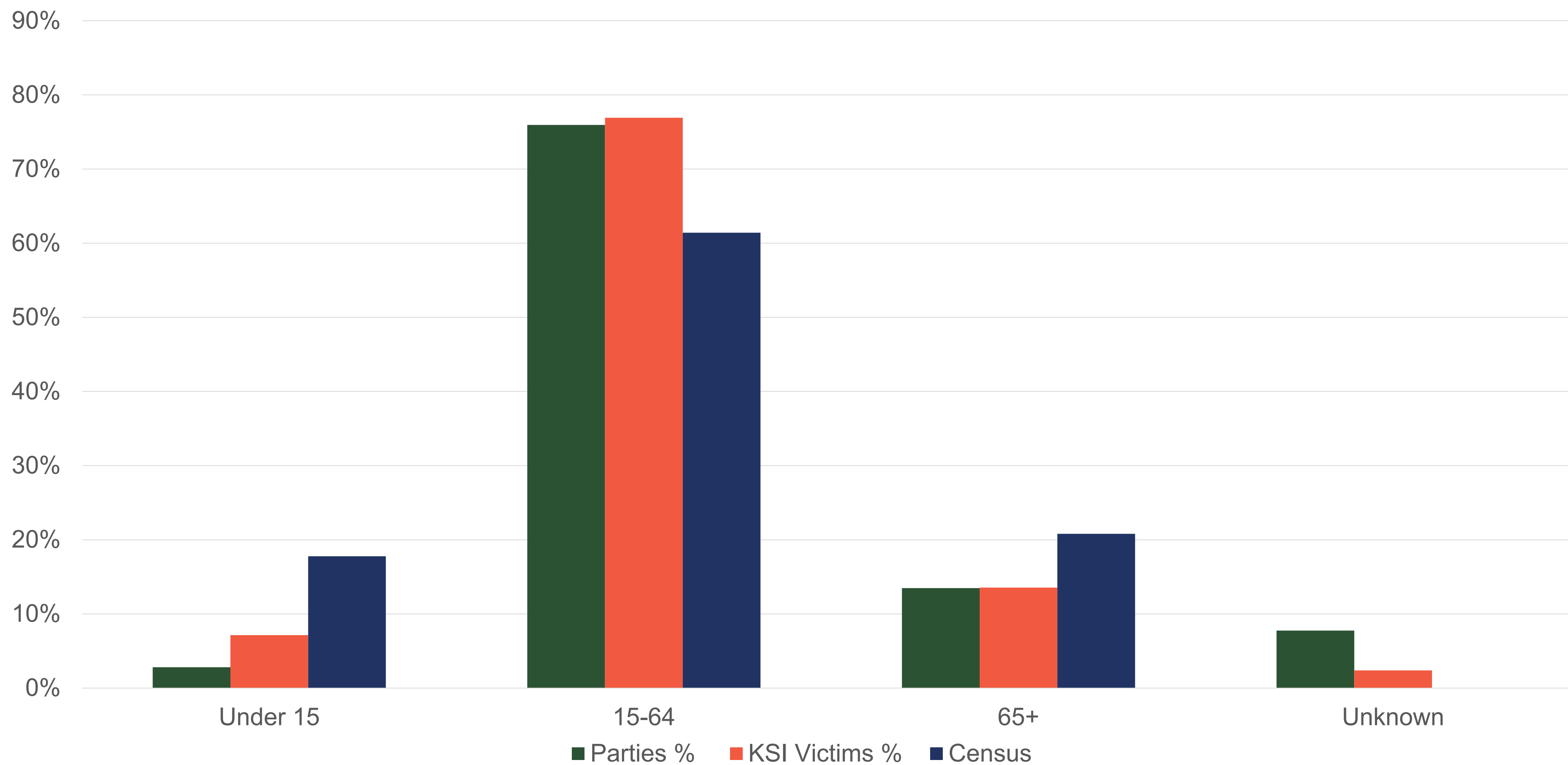


Demographics: Race





Demographics: Age





Existing Conditions Summary

- Completion of an LRSP ensures the Town continues to **MEET ELIGIBILITY REQUIREMENT** to apply for and receive HSIP funds
- During the analysis period **2015-2019**, there have been a total of **481 INJURY COLLISIONS** in Los Gatos
 - Of these, 135 injury collisions (28%) involved a **BICYCLIST** or **PEDESTRIAN**
 - A total of **31 COLLISIONS** resulted in a **FATALITY** or **SEVERE INJURY**
- The top **PRIMARY COLLISION FACTORS** include:
 - Unsafe Speed
 - Vehicle Right of Way Violations
 - Improper Turning
- The top **PRIMARY COLLISION TYPES** are:
 - Rear End
 - Broadside





What is a Collision Profile?

- Collision profiles describe the **collision characteristics** and **contextual factors** associated with notable collision types occurring in Los Gatos based on the analysis of collision history
- Identifying profiles is part of a systemic process to proactively identify locations which have similar contexts but may have experienced fewer collisions to date
- Individual collisions may fall under multiple collision profiles (i.e., a collision may be both a speed related conflict and involve driving under the influence)



Preliminary Los Gatos Collision Profiles

1. Age 60+ Collisions
2. Unmarked Pedestrian Crossing
3. Failure to Yield to Pedestrians in Crosswalk
4. Walking or Bicycling on a Major Roadway
5. Bicycle Collisions at Stop Signs
6. Midblock Bicycle Collisions
7. Speed Related Conflict
8. Broadside Collisions at Unsignalized Intersections
9. Red Light Violation
10. Driving Under the Influence



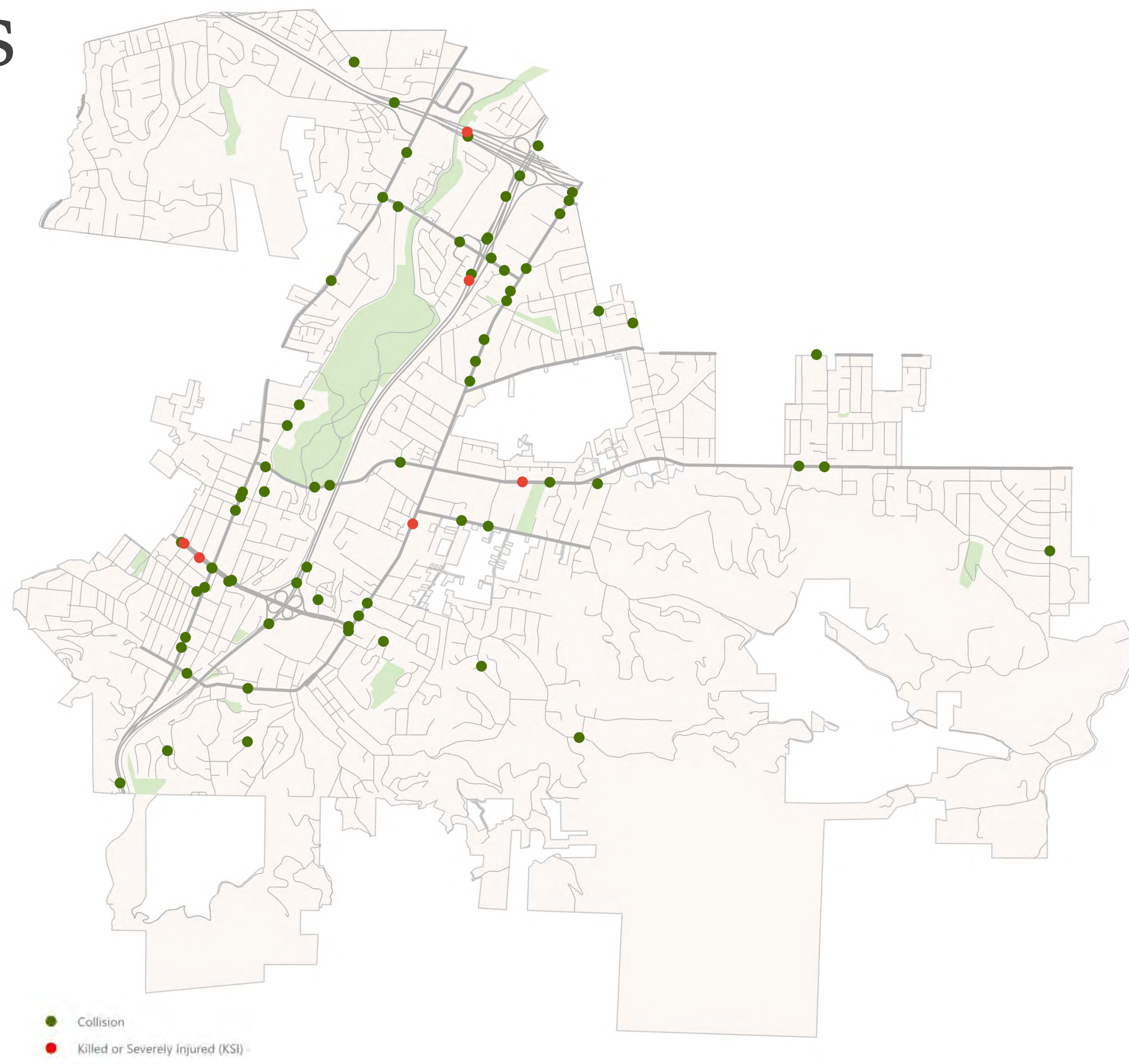
Age 60+ Collisions

Description: Collisions involving people age 60 or older

Factors: Pedestrians, bicyclists and/or vehicles involved parties, involved party age 60+

Number of Collisions: 82 Injury (21%), 6 KSI (20%)

Potential Countermeasures: Curb Extensions, Extended Pedestrian Crossing Time, Raised Crosswalks, Speed Tables, Pedestrian Refuge Island and Median, Signing and Striping Improvements, Enhanced Bicycle Facility, New Sidewalk, Retro Reflective Backplates for Signals, Daylighting Intersections



3. Collision Profiles



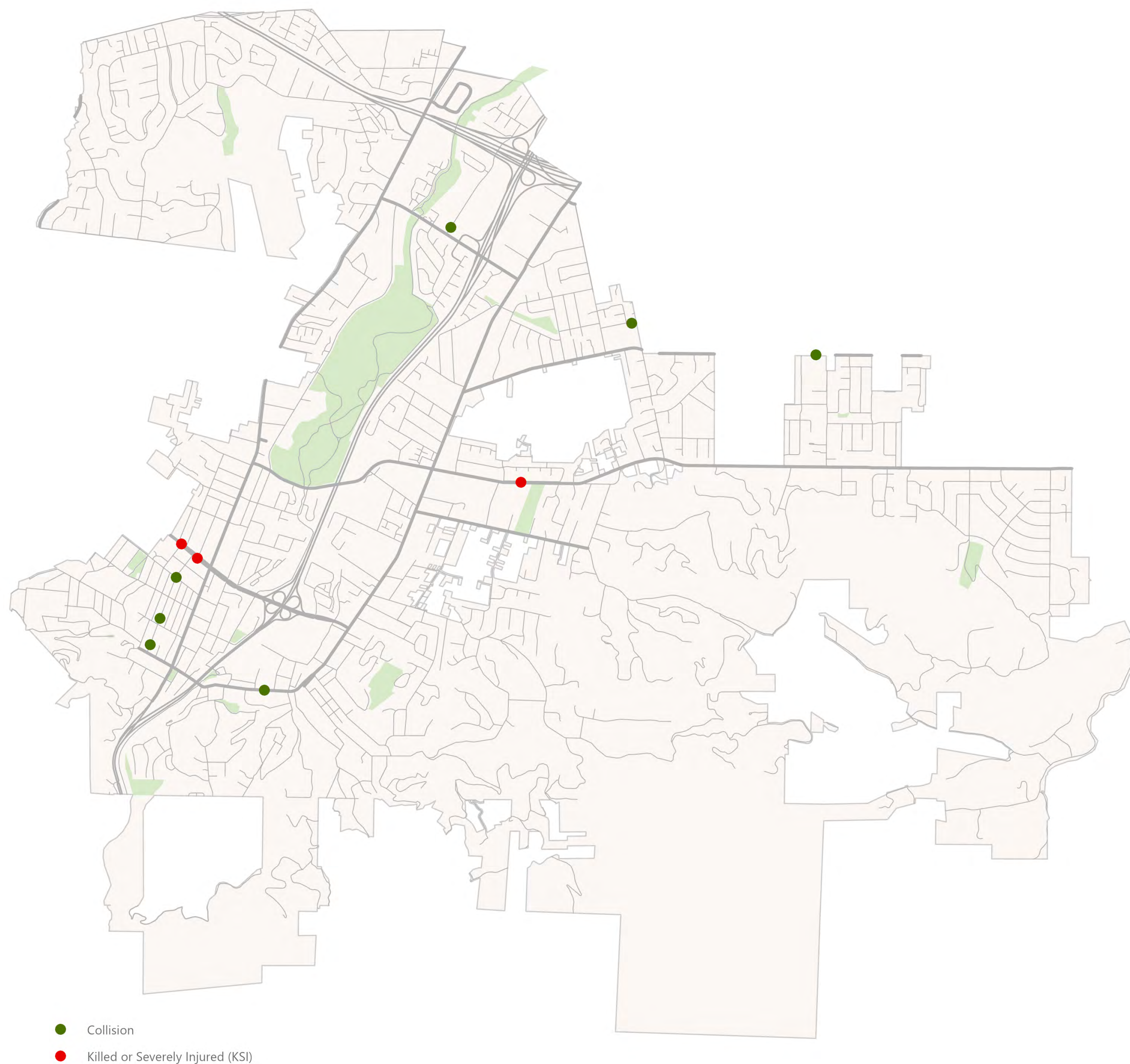
Unmarked Pedestrian Crossing

Description: Pedestrians who are crossing outside of crosswalks involved in collisions

Factors: Pedestrians and vehicles both involved parties, location has unmarked crosswalk

Number of Collisions: 10 Injury (3%), 3 KSI (10%)

Potential Countermeasures: Curb Extensions, Pedestrian Refuge Island and Median, Flashing Beacons, High Visibility Crosswalk





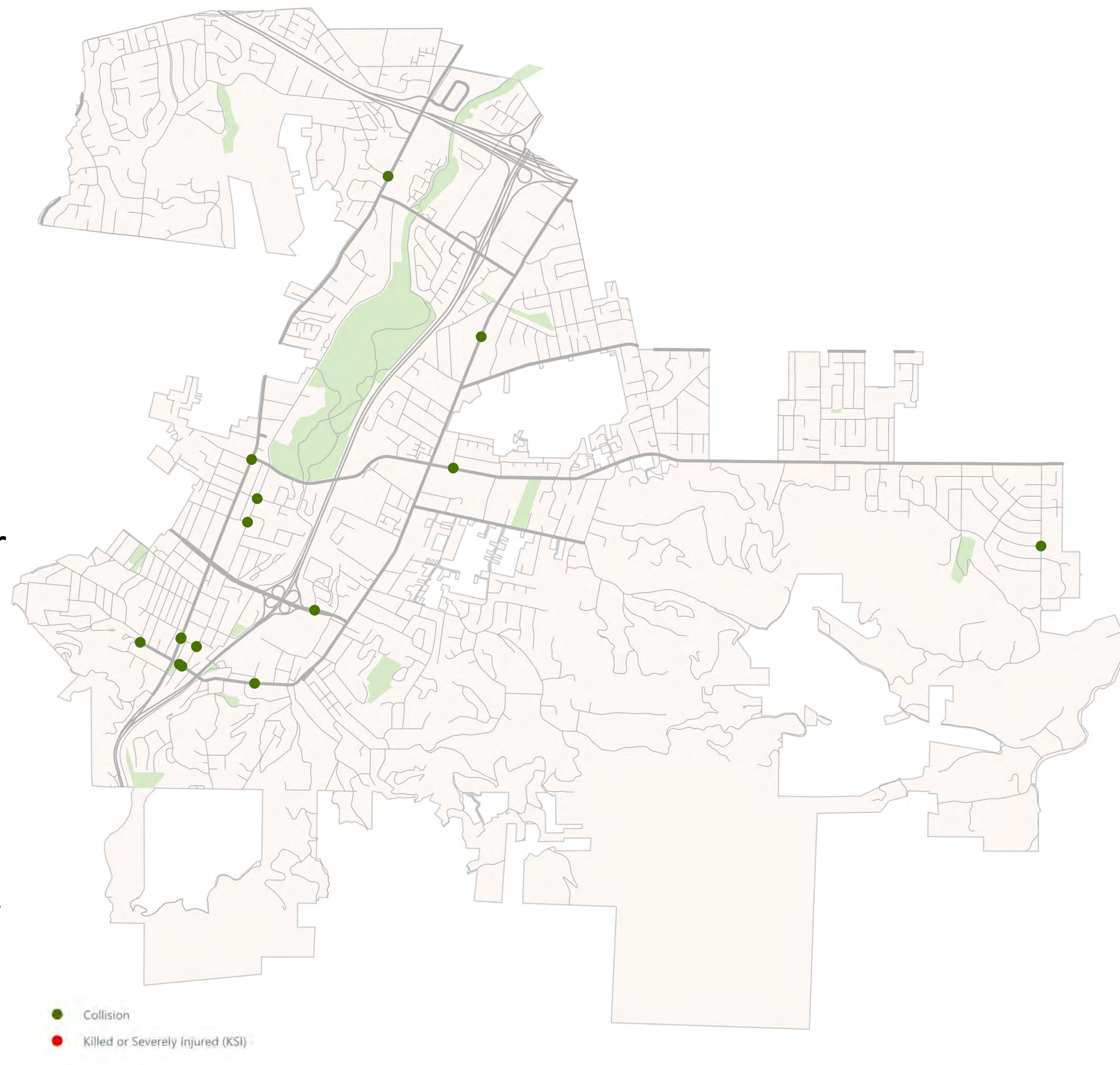
Failure to Yield to Pedestrians in Crosswalk

Description: Pedestrians who are crossing at crosswalks involved in collisions

Factors: Pedestrians and vehicles both involved parties, location has marked crosswalk (midblock or at intersection, signalized or unsignalized)

Number of Collisions: 16 Injury (4%)

Potential Countermeasures: Curb Extensions, Pedestrian Refuge Island and Median, Flashing Beacons, Leading Pedestrian Interval, High Visibility Crosswalk





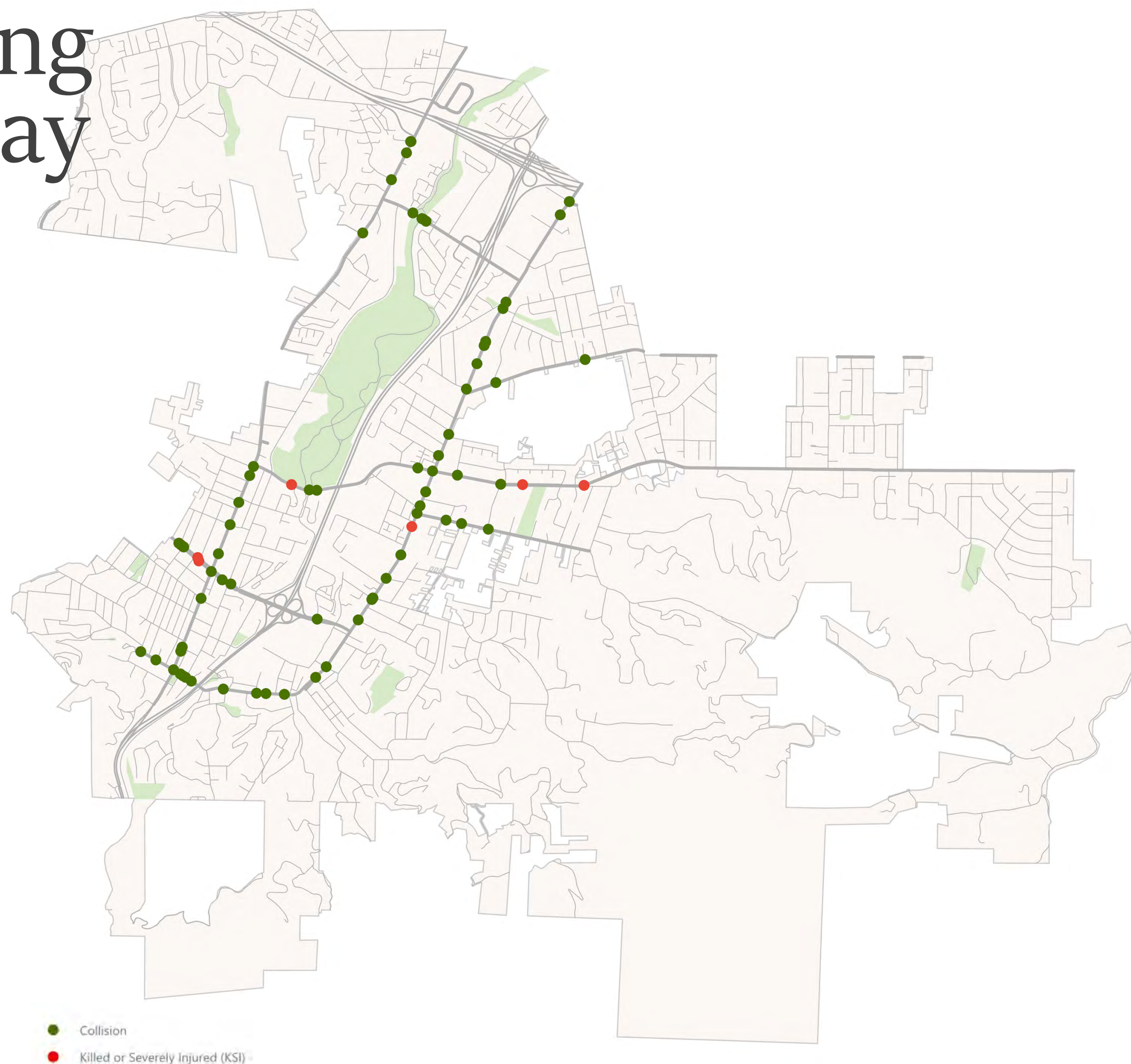
Walking or Bicycling on a Major Roadway

Description: Pedestrians or bicyclists involved in collisions along arterials such as Los Gatos Boulevard, Santa Cruz Avenue, and Blossom Hill Road

Factors: Pedestrians and/or bicyclists involved parties, location is classified as arterial

Number of Collisions: 87 Injury (22%), 7 KSI (23%)

Potential Countermeasures: Enhanced Bicycle Facility, New Sidewalk, Roadway and Intersection Safety Lighting, Pedestrian Signal Improvements, Pedestrian Refuge Island and Median



3. Collision Profiles



Bicycle Collisions at Stop Signs

Description: Cyclists at stop signs who are involved in collisions with vehicles

Factors: Bicyclists and vehicles both involved parties, location is unsignalized intersection with stop control

Number of Collisions: 38 Injury (10%), 3 KSI (10%)

Potential Countermeasures: Enhanced Bicycle Facility, Curb Extensions, Signing and Striping Improvements, Parking Restrictions





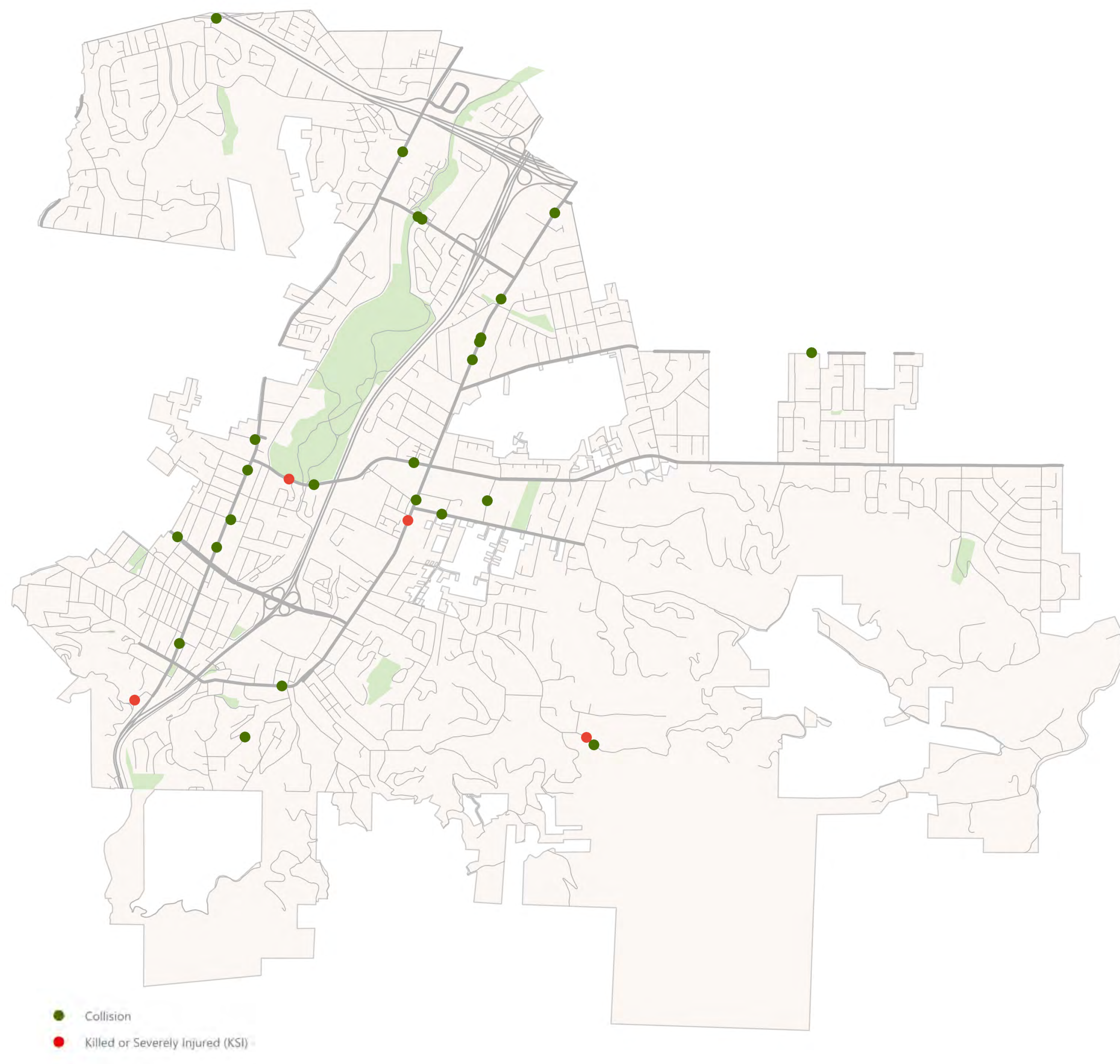
Midblock Bicycle Collisions

Description: Cyclists who are involved in collisions with vehicles away from an intersection

Factors: Bicyclists and vehicles involved parties, location is not intersection

Number of Collisions: 31 Injury (8%), 4 KSI (13%)

Potential Countermeasures: Enhanced Bicycle Facility, Roadway and Intersection Safety Lighting, Pedestrian Crossing Enhancements





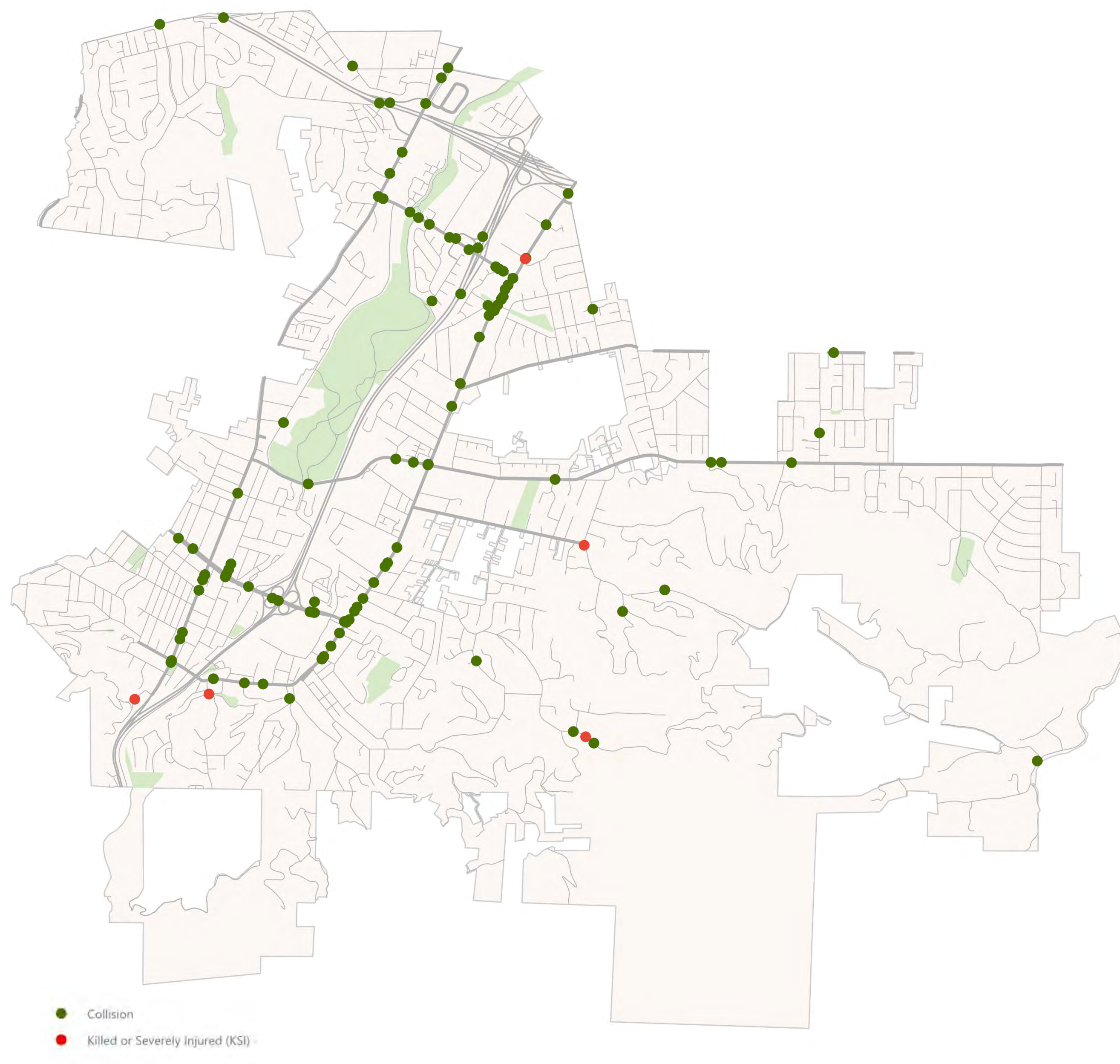
Speed Related Conflict

Description: Vehicles involved in collisions where speed is identified as a contributing factor

Factors: Unsafe speed identified

Number of Collisions: 116 Injury (30%); 5 KSI (16%)

Potential Countermeasures: Vehicle Speed Feedback Sign, Traffic Calming (Speed Humps or Raised Crosswalks), Protected Bikeway, Lane Reduction or Narrowing





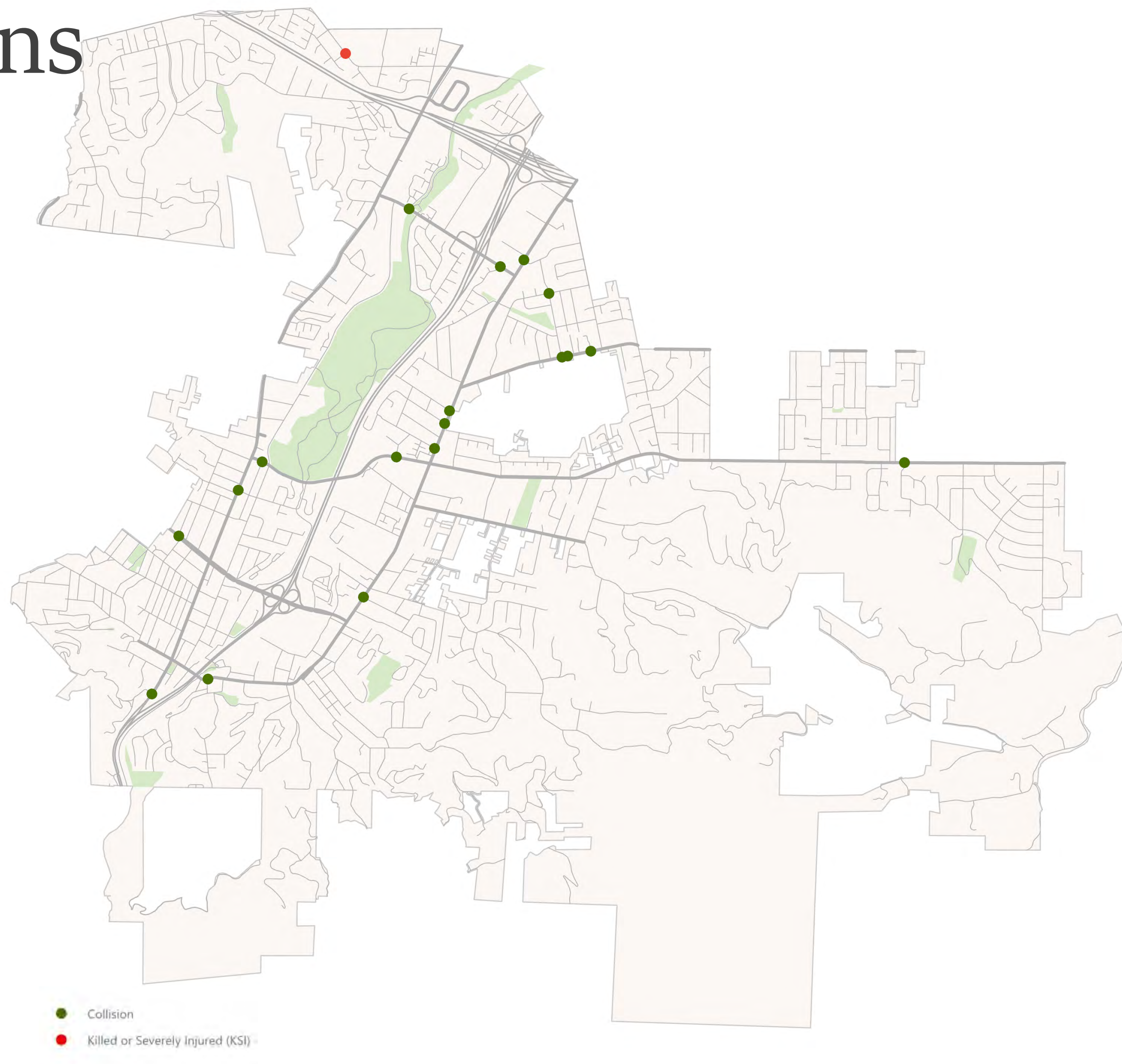
Broadside Collisions at Unsignalized Intersections

Description: Vehicle colliding with the side of another vehicle at unsignalized intersection

Factors: Vehicles are the involved party, collision type is broadside, location is unsignalized intersection

Number of Collisions: 22 Injury (6%); 1 KSI (3%)

Potential Countermeasures: Signing and Striping Improvements, Parking Restrictions, Turn Restrictions/Medians, Lane Reduction, Modified Intersection Control (All-way Stop or Signalization)





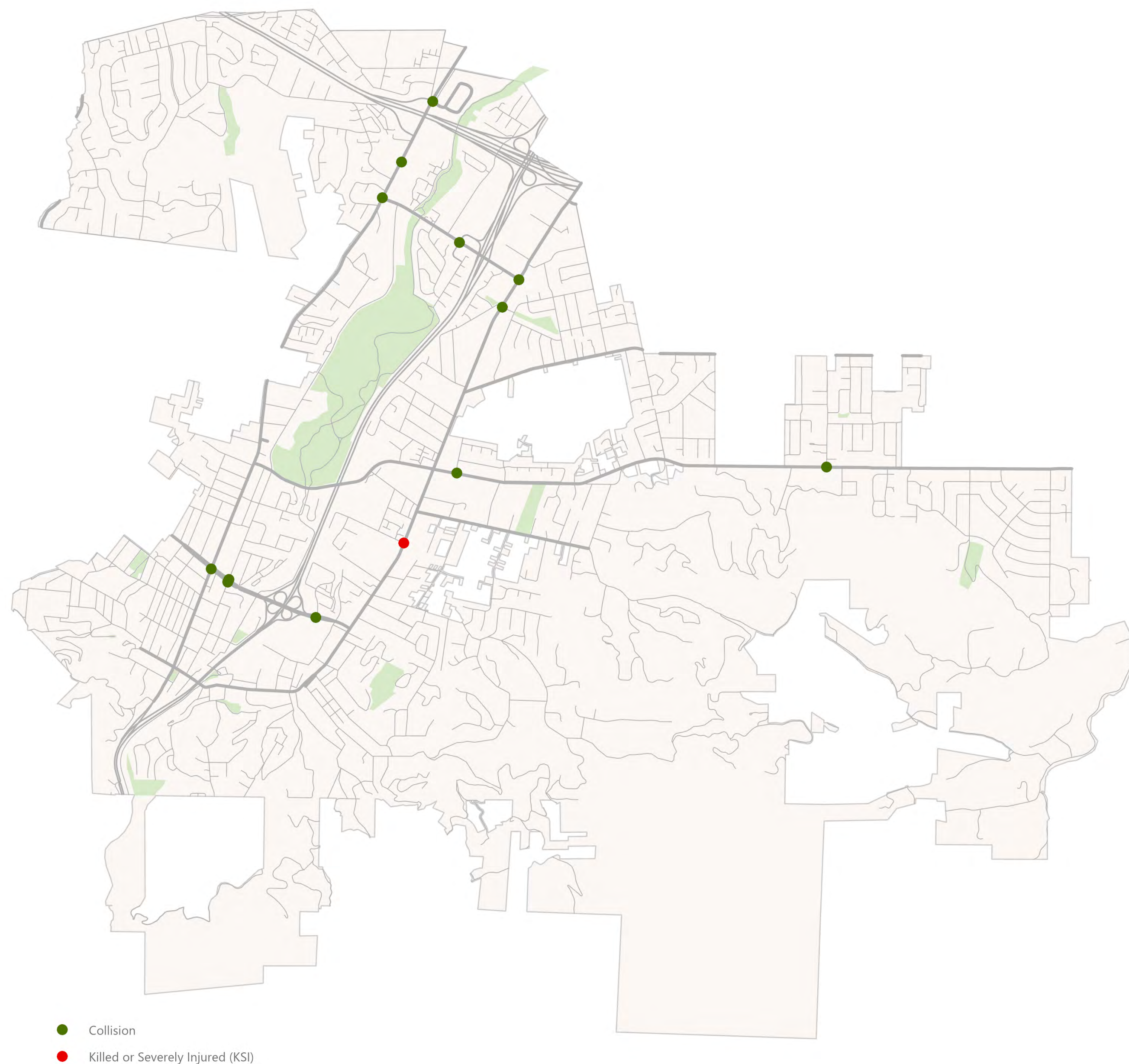
Red Light Violation

Description: Vehicles running red lights at signalized intersections

Factors: Vehicle is involved party, location is signalized intersection, violation is traffic signals and signs violation

Number of Collisions: 17 Injury (4%), 1 KSI (3%)

Potential Countermeasures: Advance Dilemma-zone Detection, Signal Timing and Phasing Improvements, Signal Equipment Upgrades, Education & Compliance





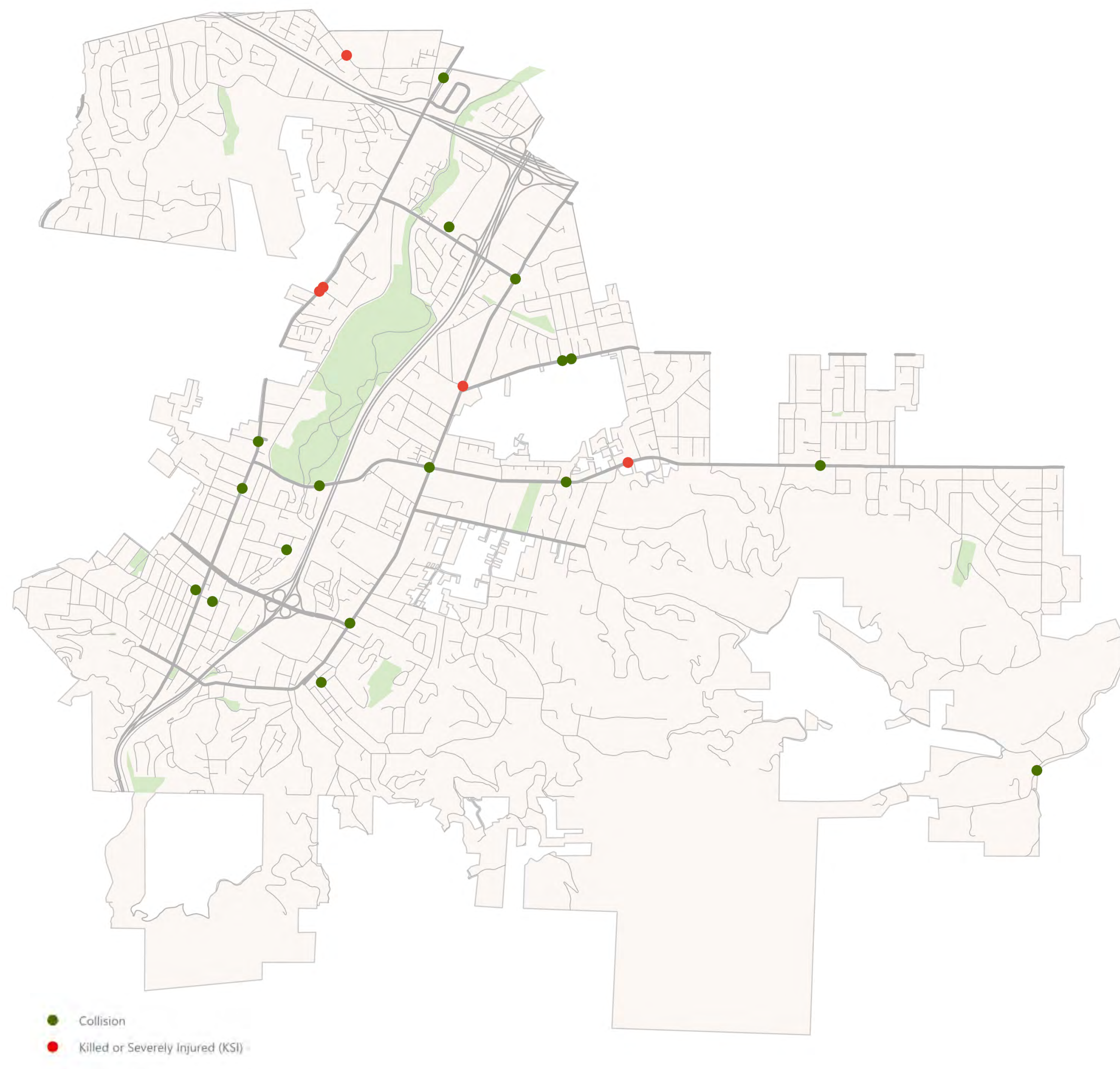
Driving Under The Influence

Description: Drivers driving under the influence of alcohol or drugs

Factors: Vehicle is involved party, at least one party was under influence of drugs or alcohol

Number of Collisions: 25 Injury (6%), 5 KSI (16%)

Potential Countermeasures: Education, Enforcement, Vehicle Speed Feedback Sign, Traffic Calming (Speed Hump or Raised Crosswalk)





LRSP Community Engagement

- Project Webpage

updates and reports

- Complete Streets and Transportation Commission

regular update and input

- Farmers' Market Pop Up Event

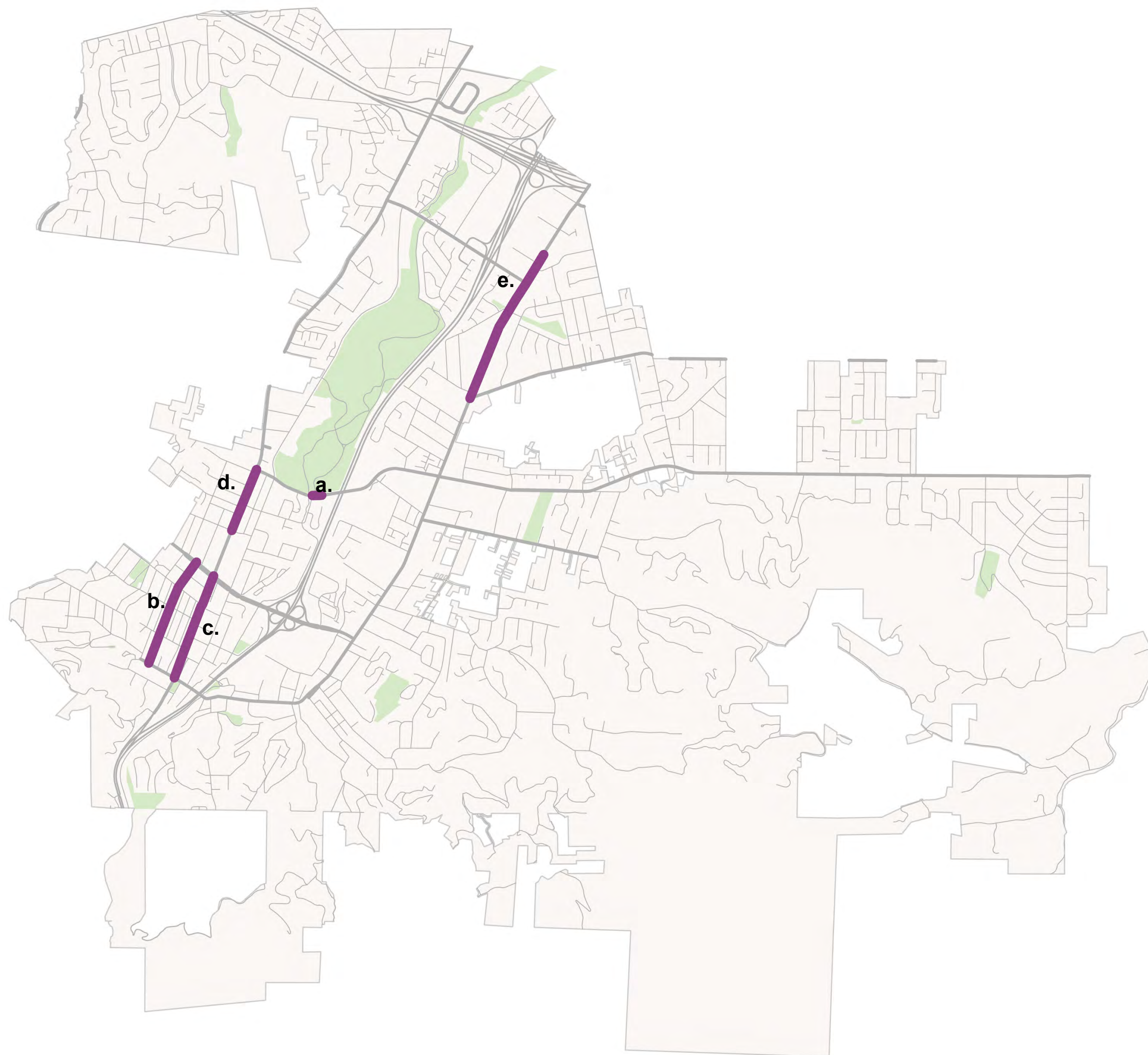
- Community Survey

safety concerns and locations



Draft Priority Emphasis Areas

- a. Blossom Hill Rd and Vasona Park Rd
- b. Tait Ave: W Main St and Los Gatos Saratoga Rd
- c. Santa Cruz Ave: W Main St and Los Gatos Saratoga Rd
- d. N Santa Cruz Ave: Blossom Hill Rd and Thurston St
- e. Los Gatos Blvd: Bennett Way to Garden Ln





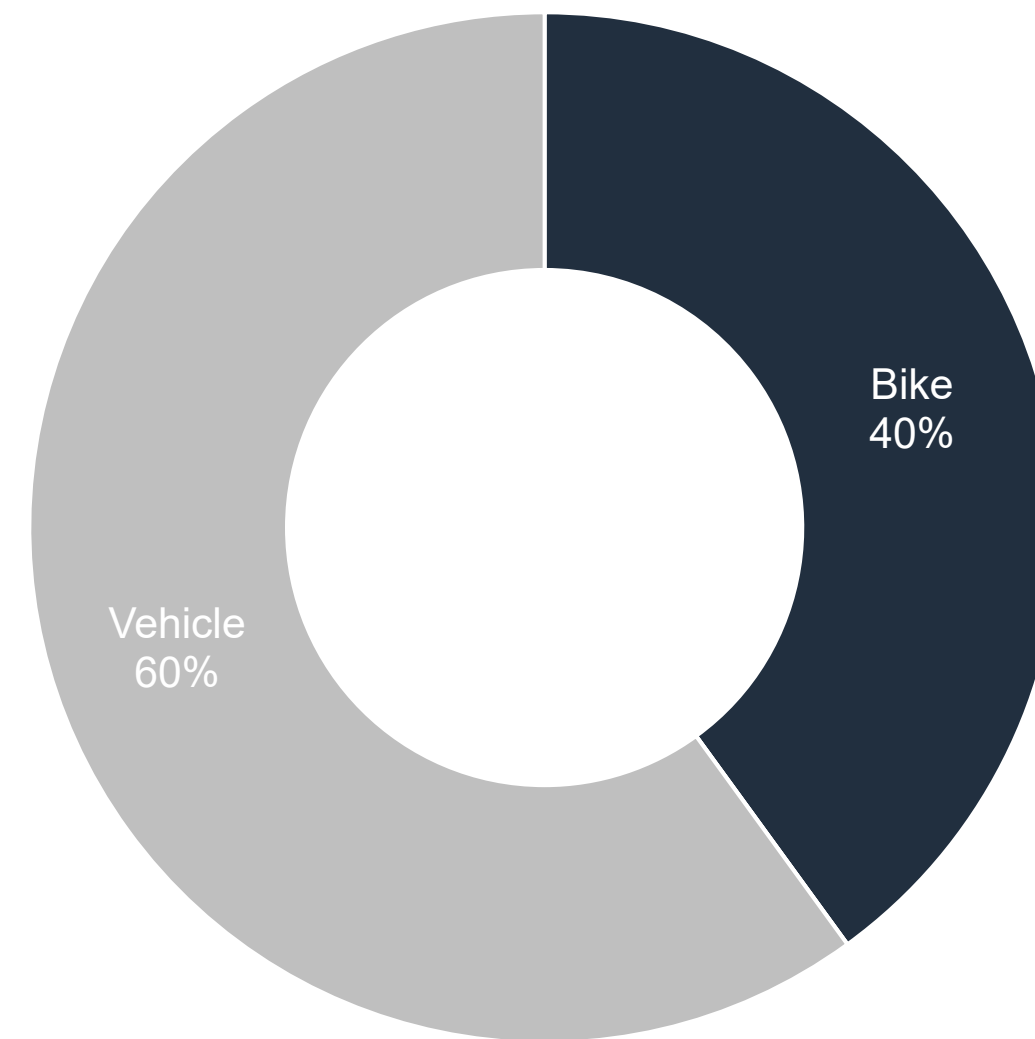
Blossom Hill Rd and Vasona Park Rd

Total Injury Collisions **5**
KSI Collisions **0**

KSI: Killed or Severe Injured

Top Injury Collision Factors

- Unsafe Speed
- DUI



Collision Profiles

- Age 60+ Collisions
- Walking or Bicycling on a Major Roadway
- Midblock Bicycle Collisions
- Speed Related Conflict
- Driving Under the Influence

5. Priority Emphasis Areas





Tait Ave: W Main St to Los Gatos Saratoga Rd

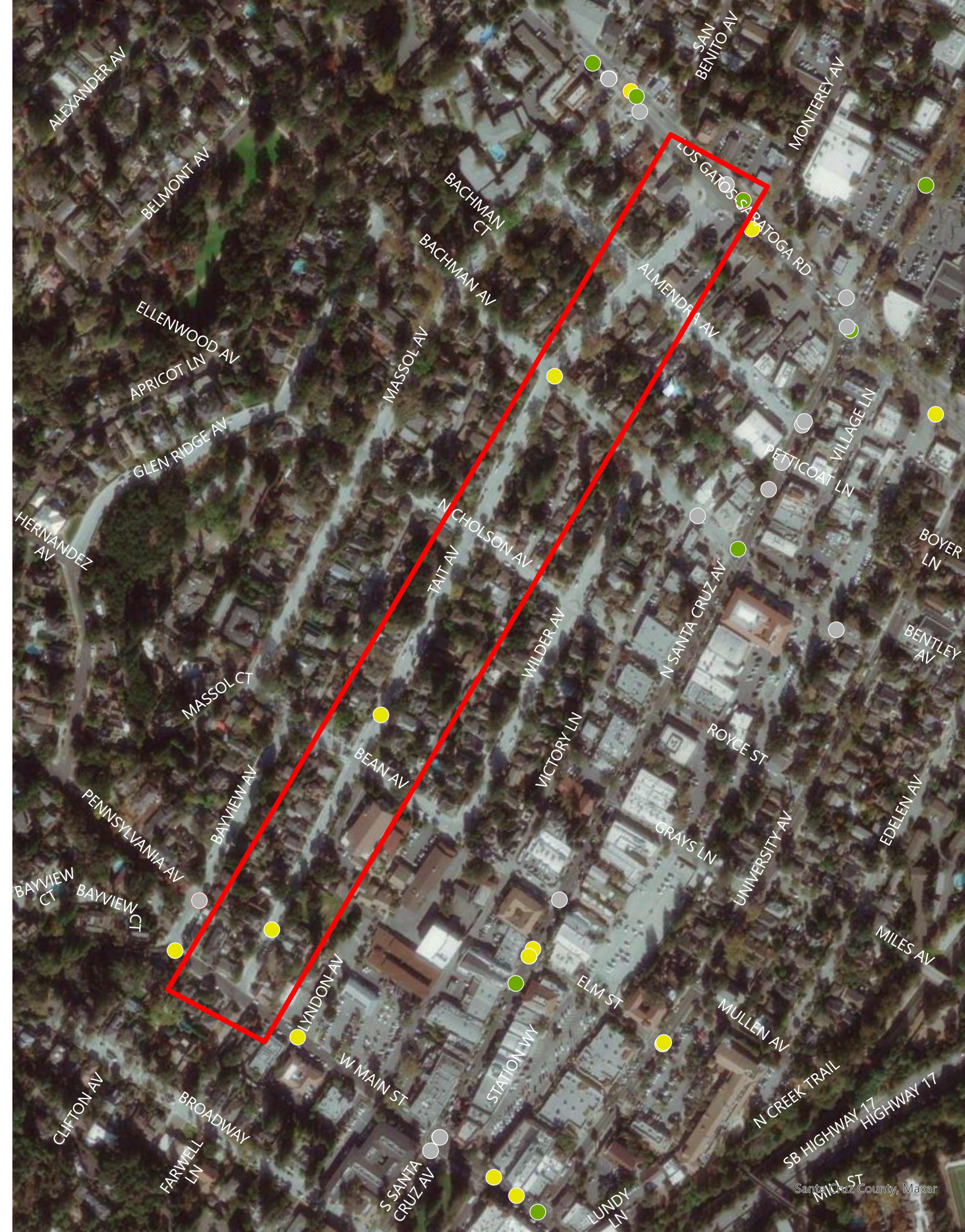
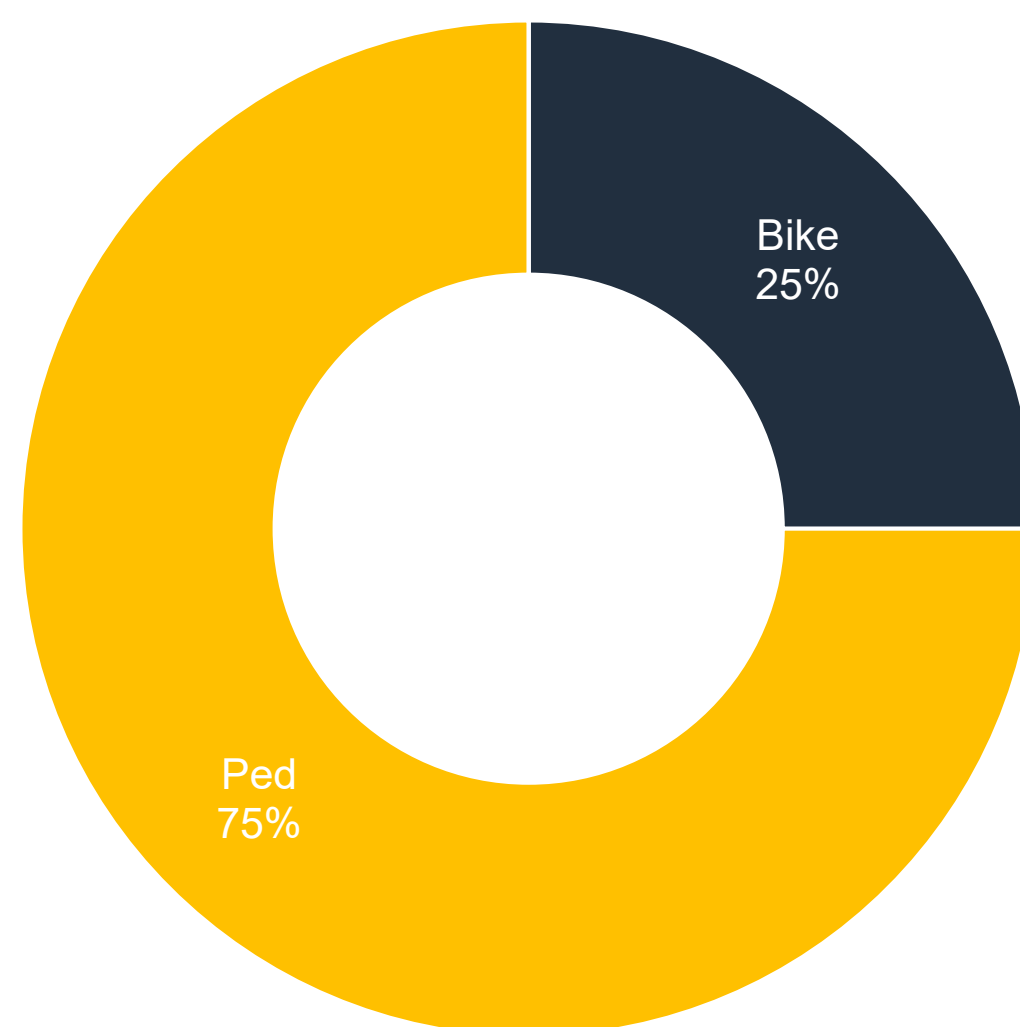
Total Injury Collisions **4**
KSI Collisions **1**

Top Injury Collision Factors

- Unsafe Speed
- Left Turn Violation
- Pedestrian crossing outside of crosswalk

Collision Profiles

- Age 60+ Collisions
- Unmarked Pedestrian Crossing
- Bicycle Collisions at Stop Signs





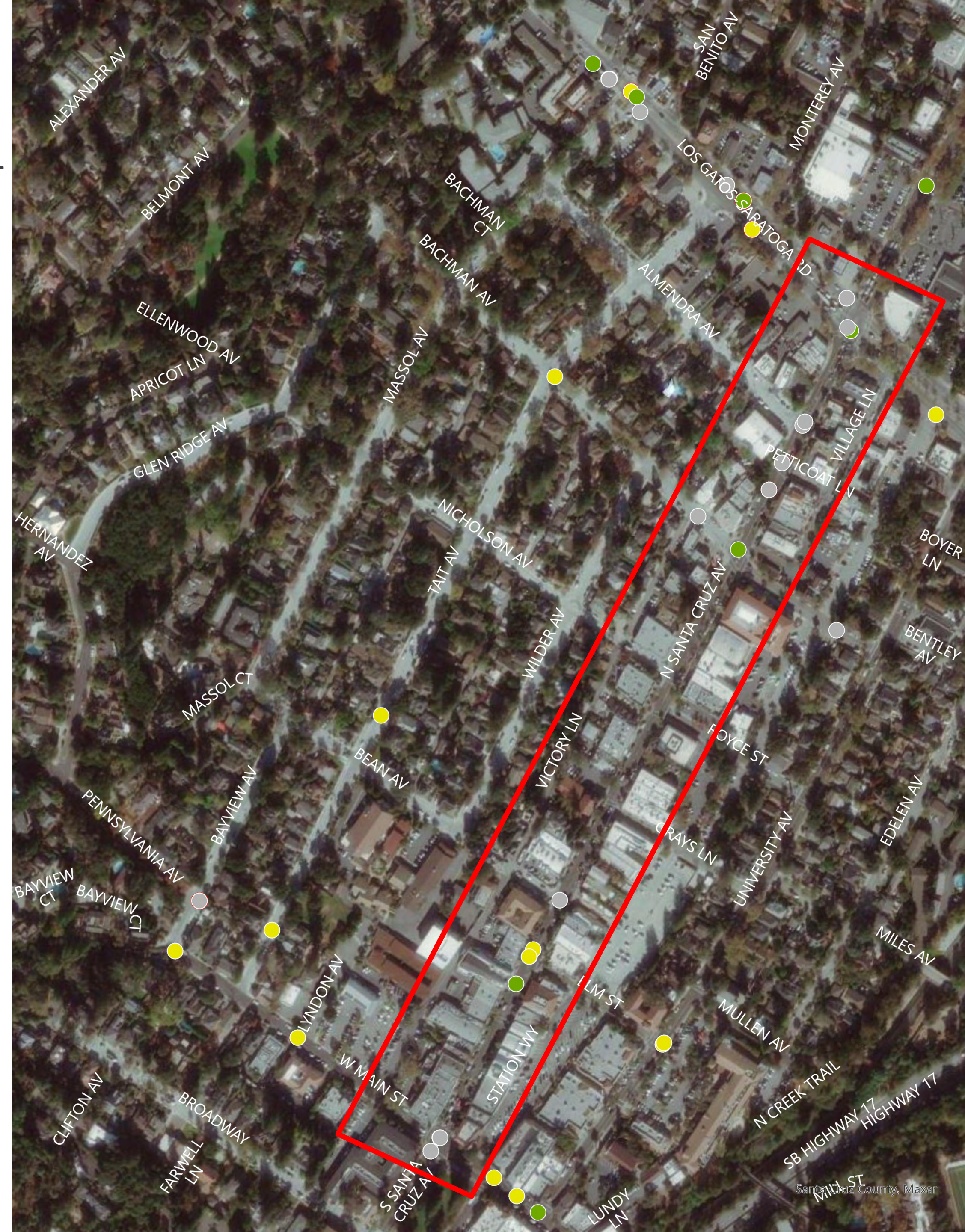
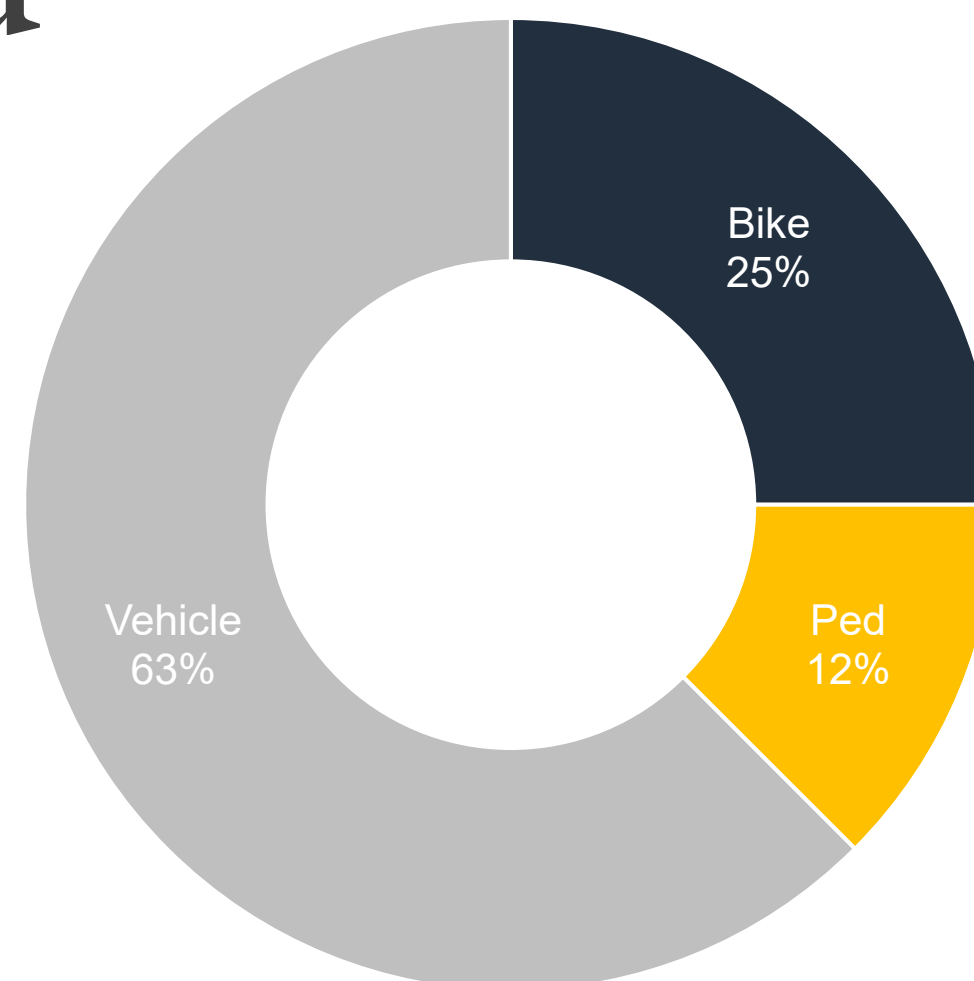
Top Injury Collision Factors

- Unsafe Speed
- Driver not yielding at crosswalk
- Failure to signal

Collision Profiles

- Age 60+ Collisions
- Failure to Yield to Pedestrians in Crosswalk
- Walking or Bicycling on a Major Roadway
- Bicycle Collisions at Stop Signs
- Midblock Bicycle Collisions
- Speed Related Conflict
- Red Light Violation

5. Priority Emphasis Areas





N Santa Cruz Ave: Blossom Hill Rd to Andrews St

Total Injury Collisions **13**
KSI Collisions **1**

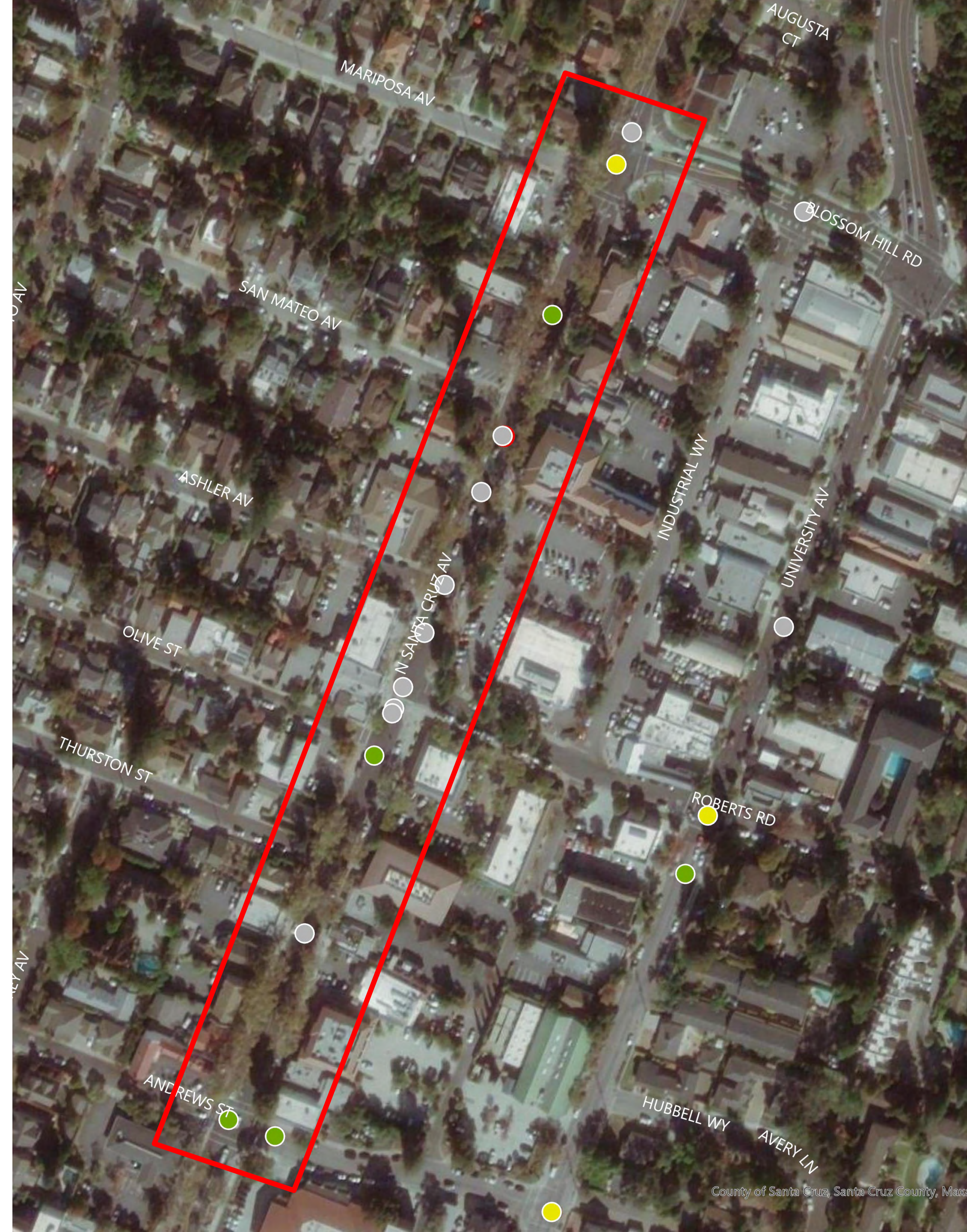
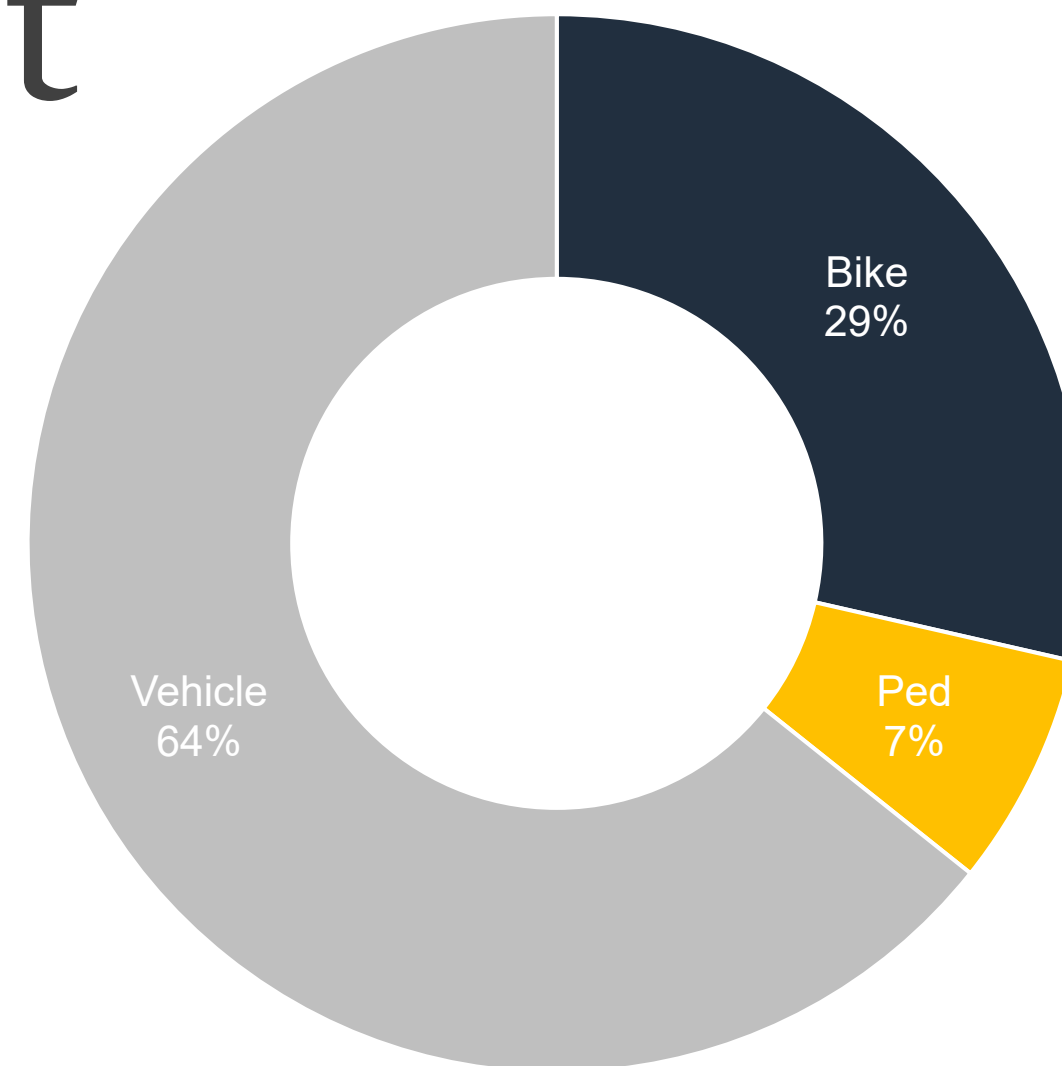
Top Injury Collision Factors

- Rear End
- Failure to Yield
- Left Turn Violation

Collision Profiles

- Age 60+ Collisions
- Failure to Yield to Pedestrians in Crosswalk
- Walking or Bicycling on a Major Roadway
- Bicycle Collisions at Stop Signs
- Midblock Bicycle Collisions
- Speed Related Conflict
- Broadside Collisions at Unsignalized Intersections
- Driving Under the Influence

5. Priority Emphasis Areas





Los Gatos Blvd: Bennett Way to Los Gatos Almaden Rd

Total Injury Collisions **31**

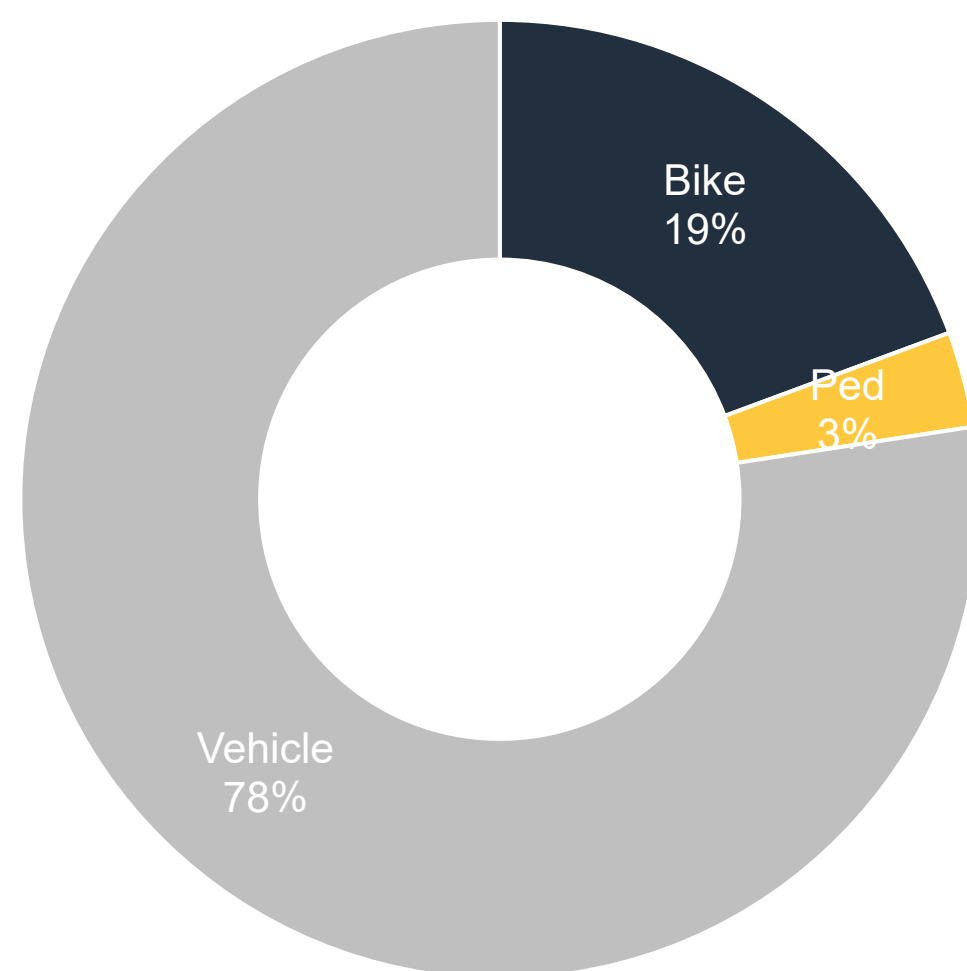
KSI Collisions **2**

Top Injury Collision Factors

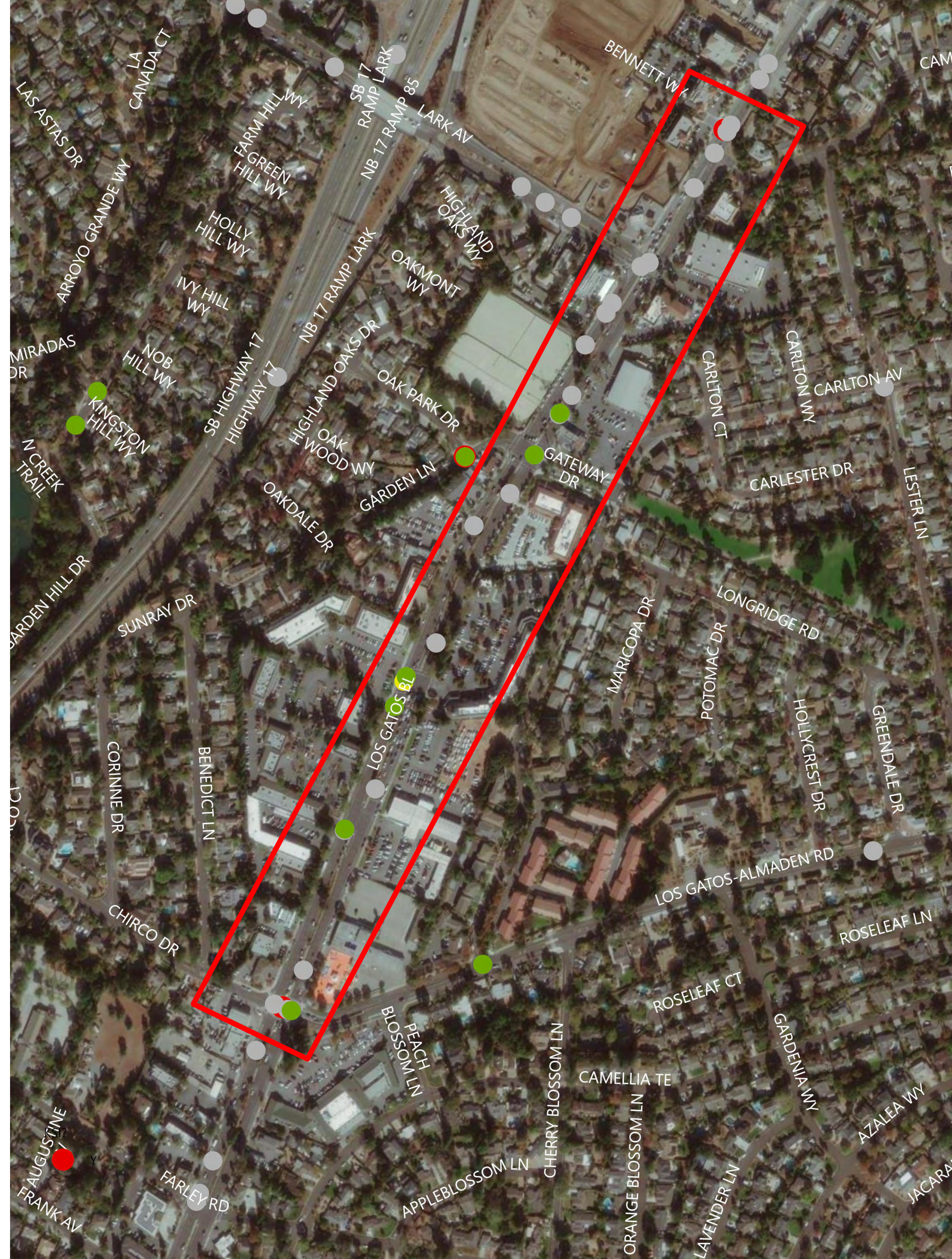
- Unsafe Speed
- Failure to yield
- Rear End
- Broadside

Collision Profiles

- Age 60+ Collisions
- Walking or Bicycling on a Major Roadway
- Midblock Bicycle Collisions
- Speed Related Conflict
- Broadside Collisions at Unsignalized Intersections
- Red Light Violation
- Driving Under the Influence



5. Priority Emphasis Areas





Other Emphasis Areas Considered

Intersection Emphasis Areas

a. Los Gatos Saratoga Rd and Montgomery St: *Massol intersection improvements completed*

b. Los Gatos Saratoga Rd and University Ave: *Caltrans intersection*

c. & d. Winchester Blvd/Lark Ave and Winchester Blvd Wimbledon: *Intersection improvements completed. Continue to monitor.*

e. Los Gatos Blvd and Blossom Hill Rd: *Incorporate in future LGB Complete Streets project.*

Segment Emphasis Areas

g. Los Gatos Saratoga Rd: Los Gatos Blvd and HWY 17 off ramp: *Design for interchange rebuild is underway.*

h. Blossom Hill Rd: Los Gatos Blvd and Winterbrook Rd: *BHR Traffic Calming design work to begin in 2022*



5. Priority Emphasis Areas



Next Steps

- Continue Community Engagement
- Identify suitable countermeasures for Priority Emphasis Areas
- Conduct walk audits to discuss countermeasures
- Complete LRSP report documentation
- Beyond the LRSP: engineering and design, project funding, construction

